



The CHEMIST AND DRUGGIST

RETAILER - WHOLESALER - MANUFACTURER

JUNE 5, 1948

NOW

WE SERVE

CHEMISTS ONLY



WHITE BEAR BRAND



ALEMBIC BRAND



SOLACE LEEDONIS
BUTTRESS



CHILPAX NOTAPEN
VERRISEPT



SPEAR



BRAND

Manufacturing

Chemists since 1821

HIRST BROOKE AND HIRST
LIMITED
SHEEPSHAW WORKS, LEEDS, 7

For
your
information



Current
Prices
of some
P., D.
Products

P.A.T.A.

† Subject to Schedule
4 Poison Regulations

*
Exempt from
Purchase Tax

| | | Size | Minimum Retail Price (including Purchase Tax where applicable) |
|--|---------|------|--|
| ‘Abidon’ Capsules with Vitamin C | 25's | | * 4 9 |
| ” ” ” ” ” ” | 100's | | *16 9 |
| Alophen Pills | 50's | | 2 9 |
| ‘Benadryl’ Capsules, 50 mgm. | 50's | | * 7/6 |
| ” ” 25 mgm. | 50's | | * 4/6 |
| ” Elixir (No. 220) | 4-oz. | | * 3/- |
| ” Parenteral | 10 c.c. | | * 5/- |
| † ‘Carbital’ Capsules | 10's | | 4/3½ |
| ” ” ” ” ” ” | 25's | | 7/11½ |
| Cascara Evacuant | 1½-oz. | | 3/3½ |
| ” ” ” ” ” ” | 4-oz. | | 7/2 |
| Cosylan | 4-oz. | | 3/8 |
| Dermalac | Large | | 4/2 |
| Dicalcium Phosphate Wafers with Vitamin D | 36's | | 3 4/1 |
| ‘Digifortis’ Capsules | 25's | | 2/0½ |
| ” ” ” ” ” ” | 100's | | 6/11½ |
| Etamon | 20 c.c. | | 9/9½ |
| Euthymol Tooth Paste | Tube | | 1/6½ |
| Gluco-Fedrin | 10 c.c. | | 2/2 |
| ” ” ” ” ” ” | 1 oz. | | 3/8 |
| Lipo-Lutin Ampoules 1 c.c. (10 mgm.) | 6 | | *28 6 |
| Lipo-Lutin, 5 mgm. per c.c. | 10 c.c. | | *25/- |
| Metatone | 8-oz. | | 4/11½ |
| ” ” ” ” ” ” | 16-oz. | | 8/6½ |
| Rutin Tablets, 50 mgm. (C.T. 824) | 25's | | * 9/- |
| Shaving Cream, Parke-Davis | Tube | | 2/2½ |
| ‘Taka-Bexin’ Capsules | 50's | | 13/9 |
| ‘Takazyma’ Powder | Jars | | 3 4/½ |
| ” ” ” ” ” ” | 1 lb. | | 22/- |
| ‘Takazyma’ Lozenges | 30's | | 2/6 |
| ” ” ” ” ” ” | 100's | | 6/7½ |
| Throat Lozenges, Mentholated (No. 427) | 40's | | 1/8 |

IMPORTANT

Under the Purchase Tax (No. 1) Order, 1948, which came into force on April 1st, several P., D. & Co. products were exempted from Purchase Tax. Full particulars will be supplied in due course.

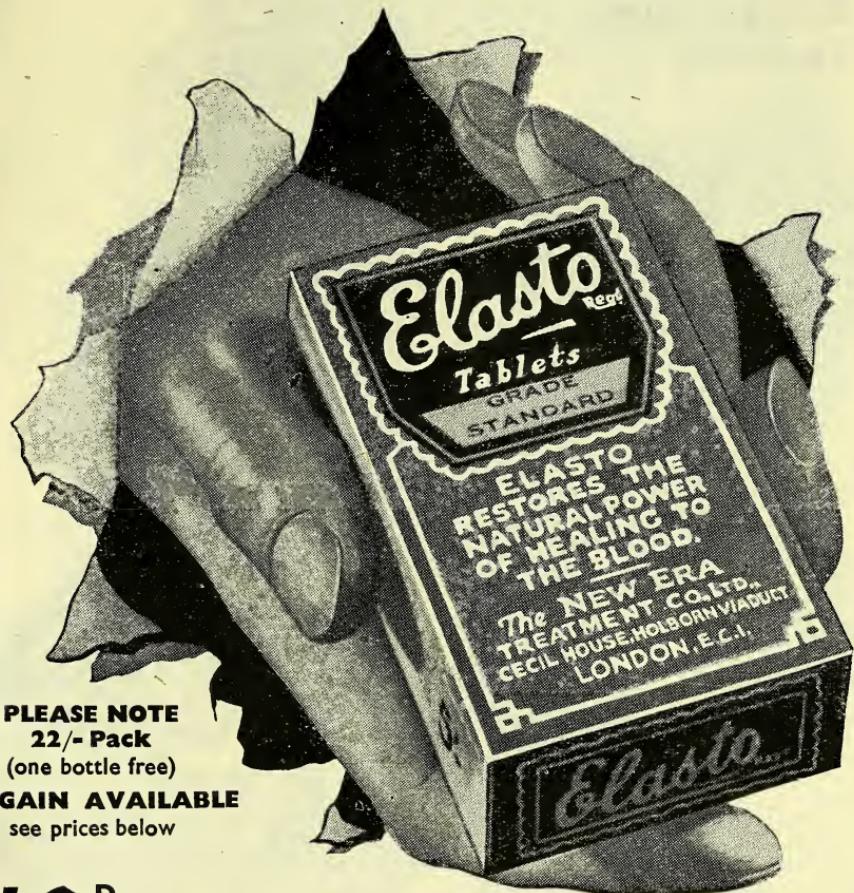
Parke, Davis & Co., 50, Beak St., London, W.1.

Laboratories: Hounslow, Middlesex.

Inc. U.S.A., Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's line



PLEASE NOTE

22/- Pack

(one bottle free)

AGAIN AVAILABLE

see prices below

1/6 D. PROFIT ON EVERY SALE!

'ELASTO' Advertising Is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few 'Elasto' cartons displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for all circulatory disorders including Varicose Veins, Bad Leg, Skin Troubles, Rheumatism and poor General Health. A tablet Remedy, easy to handle and reliable.

Recommend 'Elasto'—and a satisfied customer will recommend You!

RETAIL (Including Tax)

PATA

WHOLESALE (Including Tax)

5/6 per bottle (one month's supply)

48/- per dozen

22/- five bottles (Including one free)

192/- per dozen

The NEW ERA TREATMENT CO., LTD.
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

SOAP SHAVING STICK OINTMENT TALCUM





**STOCK UP
NOW**

**SUPPLIES ARE PLENTIFUL
AND
MOTHERS READY BUYERS**

Retail: 1/4½ per tin
(including Purchase Tax)

Wholesale: 9/- per dozen
(plus 33½% Purchase Tax)

Evans Blue Cross Baby Powder, backed by the nationally-advertised *name of Evans*, is readily selling and bringing repeat sales as well. Attractive show outers available with every dozen tins.

Ample supplies are available. Order your stock now.

EVANS MEDICAL SUPPLIES LTD

**Speke, Liverpool 19
and Bartholomew Close, London, E.C.1**

Distributing Depots:

BELFAST, BIRMINGHAM, BRISTOL, LEEDS, LEICESTER, MANCHESTER, NEWCASTLE,
SHEFFIELD AND SWANSEA.



SUN DAYS

WHEN A DOG is out of condition *in summer*, there's no doubt about it. That scratching — that panting — that hunt for a spot of shade — are things no kind-hearted dog owner can possibly ignore.

This month a lot of your dog-owning customers are going to ask you for advice — or simply for Bob Martin's Condition Powder Tablets. So we advise you to check your stocks.

Another thing : if you aren't already displaying Bob Martin's in your window or on your counter, now's a good time to start. There's nothing like a Bob Martin display-piece to make a customer who has come in for a bottle of aspirins say "And that reminds me. . . ." For a full list of available display material see page 6 of the June 'Lead'.

BOB MARTIN LTD., SOUTHPORT, LANCS.

PATA

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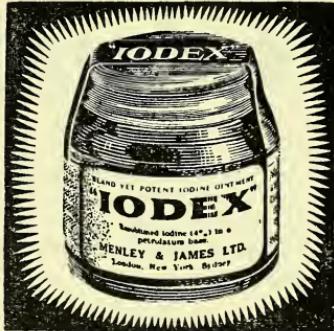
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The BLAND, SOOTHING Iodine Ointment

There is no form of iodine more bland than Iodex'. Even on open wounds and sensitive surfaces it is soothing, inflammation-reducing, and resolvent. Its wide field of usefulness has been recognised by doctors for over thirty years, and it is regularly prescribed for such conditions as enlarged glands, joint and muscle pains, minor injuries, and certain parasitic skin affections.

'IODEX'
IODINE OINTMENT

MENLEY & JAMES LTD.
123 Coldharbour Lane, London, S.E.5.



1-OZ. JARS

Trade Price

18/9 per dozen, plus 6/3 tax

Retail Price

2/9 each, inclusive of tax

Supplied also in 4-oz. Jars

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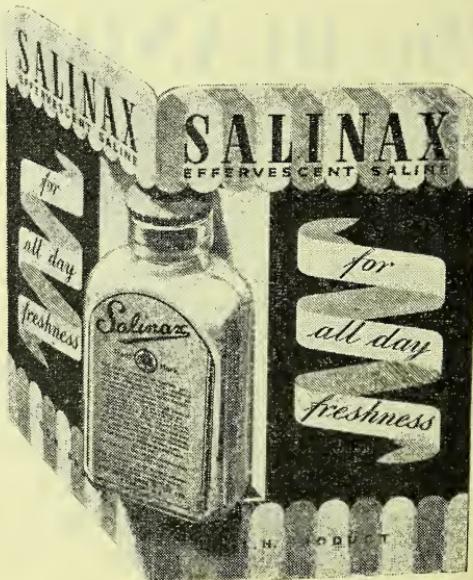
A NEW DISPLAY AND
NEW TERMS FOR

SALINAX

A request to the B.D.H. or to the B.D.H. representative will bring you this new showcard to help sales while the seasonal potential is high. New improved bonus terms are now available.

TWO SIZES

16/- doz. Retail 2/2 incl. tax
28/- doz. Retail 3/10 incl. tax
5% discount 3 doz. 7½% discount 6 doz.



The Brand Name

Ucal

DENOTES MANUFACTURE BY
THE UNITED CHEMISTS ASSOCIATION LTD. CHELTENHAM
AND IMPLIES THEIR GUARANTEE



BRONCHIAL LOZENGES

An attractively presented, ready selling line, now available in ever-increasing quantities.

'UCAL' Bronchial Lozenges are old favourites of the public for coughs and colds of the chest—a well-advertised, popular line which you can order freely and safely.

This is a Guaranteed Product
sold only through **Ucal** Chemists



AMMONIA

As Specialists over many years, we offer the best possible value in packed Ammonia. This smartly packed product is offered to all Chemists, and a good variety of labels is available, specimens of which will be submitted on request.

Write for terms now.

FR. 13

THORNTON & ROSS
Manufacturing Chemists
LIMITEDE
LINTHWAITE • HUDDERSFIELD

*Nearly
Five times the
Profit
FOR
ONE-SIXTH OF
THE TROUBLE*

The 26/5 size 'Curicons'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

YOU ENJOY THESE ADVANTAGES BY STOCKING THE 'CURICONES' 26/5 SIZE

1. You make nearly five times the profit for one-sixth of the trouble. (The 26/5 size contains six times the quantity of the 5/6 size).
2. You sell the equivalent of six bottles of 'Curicons' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.
3. Your turnover is quicker. Time is saved.
4. You are cementing goodwill with customers needing the longer course of 'Curicons.'

ORDER A $\frac{1}{4}$ DOZ. FROM YOUR WHOLESALER TO-DAY—and satisfy your customers.

CURICONES

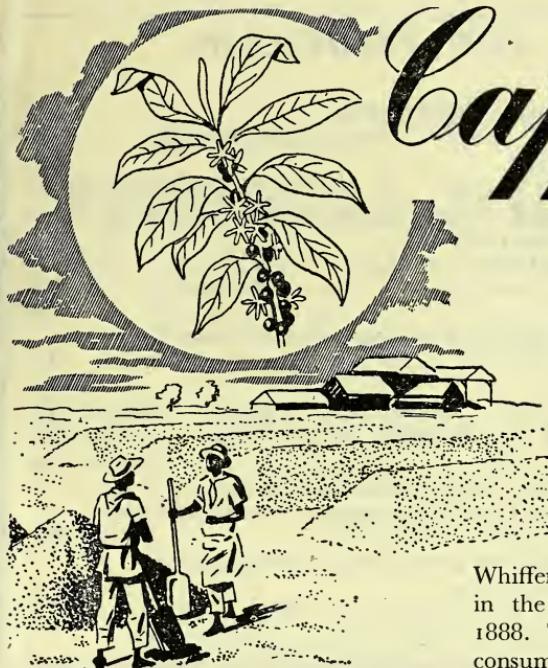


for the relief of **P.A.T.A.**
RHEUMATISM and KINDRED ILLS

Remember 'Curicons' is a P.A.T.A. Line showing 33½% profit, nationally advertised and recommended by the medical profession. Showcard sent on request.

STEPHEN MATTHEWS & COMPANY LIMITED
19/21 FARRINGDON STREET, LONDON, E.C.4

**Large Size
26/5**



Caffeine...

A WHIFFEN PRODUCT

SINCE 1888



Caffeine is the best known of the naturally occurring xanthine derivatives and its presence in tea and coffee gives these beverages their stimulating action. The isolation of caffeine from coffee dates back to 1820. In 1827, Oudry isolated a crystalline substance from tea which was given the name theine but in 1838 this was shown to be identical with caffeine. Various methods for the synthesis of caffeine are now available, and these all have their origin in the brilliant work of Emil Fischer and his assistants at the end of the last century.

Whiffen & Sons Ltd. have been engaged in the manufacture of caffeine since 1888. Tea-dust and tea unfit for human consumption are still the source of much of the caffeine they make, whilst surplus theobromine, a by-product of chocolate manufacture which can easily be converted to caffeine, is an excellent means of supplementing supplies. Caffeine from these two natural sources can still hold its own against the fully synthetic material.

Caffeine is best known for its stimulant action which is specially pronounced on the central nervous system. Apart from its medicinal applications, it is widely used nowadays to fortify certain classes of soft drinks.

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Manufacturers of Fine Chemicals for nearly a century

WHIFFEN & SONS LIMITED, FULHAM, LONDON, S.W.6

Phone: RENown 3416 Grams: Whiffen, London

AYRTONS FOR PENICILLIN

PENICILLIN CREAM

No. 1 MAKING SET (The Original) ANHYDROUS

Per Set (to make 6 pots) ... 6/- Penicillin (100,000 units) ... 1/-

No. 2 MAKING SET. HYDROUS

Per set (to make 4 pots) 8/-

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. Per ounce, post paid 2/-

PENICILLIN SOLUTION TABLETS.

Each tablet 12,500 units — Tubes of 8 ... 2/-. Bottles of 80 ... 15/6
10,000 " — 10 ... 2/-. " 100 ... 15/6

CHLOROCRESOL SOLUTION 0.05% for the preparation of Aurist, Guttae and Narist PENICILLIN. Each — 4 oz. ... 2/-. 10 oz. ... 3/-. 20 oz. ... 4/-

PENICILLIN OINTMENT B.P.

1 oz. tubes or jars ... per doz. 16/- 2 oz. jars ... per doz. 30/-

PENICILLIN EYE OINTMENT. 1 drachm tubes per doz. 10/-

PENICILLIN LOZENGES B.P. 20's per doz. 9/-

PENICILLIN SNUFF "AYRTON" contains 10,000 units, Calcium Salt per gramme in a mentholised base. Packed in press-cap snuff tins containing 70 grains per doz. 20/-

PENICILLIN WITH STERILIZED POWDER SULPHATHIAZOLE.

5,000 units Calcium Salt per gramme.
Each — $\frac{1}{2}$ oz. ... 2/3 $\frac{1}{2}$ oz. ... 4/- 1 oz. ... 7/-

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

RETAIL PRICE
50s - 3/8d
50s - 30/4d
(INCLUDING POSTAGE)

BIOLOGICAL TREATMENT OF
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MEDICAL PRODUCTS

being extensively publicised to the medical profession

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a palatable elixir of nikethamide.

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for safe and rational salicylate therapy.

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a musculotropic and neurotropic antispasmodic.

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a dual antispasmodic and sedative.

STERAMIDE - Ag.

a chemotherapeutic and antiseptic solution.

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antibacterial and healing properties.

VIACUTAN

bactericidal solution with marked healing properties.

Adequate stocks are available and detailed literature will be supplied on request.

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Obesity

SURPLUS WEIGHT REDUCED HARMLESSLY BY PRESCRIBING RIDDELL'S OBESETTES HORMONE-FREE SLIMMING TABLETS

— Packed in 100s and 250s —

Write for Details and Terms :—



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and Manchester: MANSFIELD CHAMBERS, ST. ANN'S SO.

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Selling the truth

THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a *food* and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

| <i>In Bottles</i> | <i>to retail at</i> | <i>Trade Prices</i> |
|--------------------|---------------------|----------------------|
| 100 TABLETS | 1/6 | 12/3 PER DOZ. |
| 300 TABLETS | 4/- | 33/- PER DOZ. |

Less 5% Cash in 14 days

Vitamin B.1..... 2.10 mgms. per oz.
Riboflavin (B.2)..... 1.45 mgms. per oz.
Niacin..... 9.50 mgms. per oz.

Yestamin DAILY YEAST

JOHN KNOX · JOHN KNOX · JOHN KNOX ·

John Knox

—Medical and Toilet preparations are made to the highest standards of Quality and Purity. This supreme Quality is allied to Super-Service for our customers. All orders receive immediate attention. Urgent post orders are sent off the same day and van deliveries made weekly throughout the Midlands. John Knox Service is there for you!

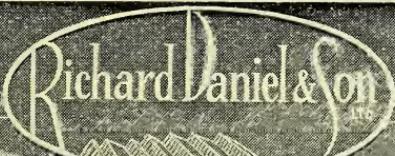
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TABLETS & PILLS

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Chemists*

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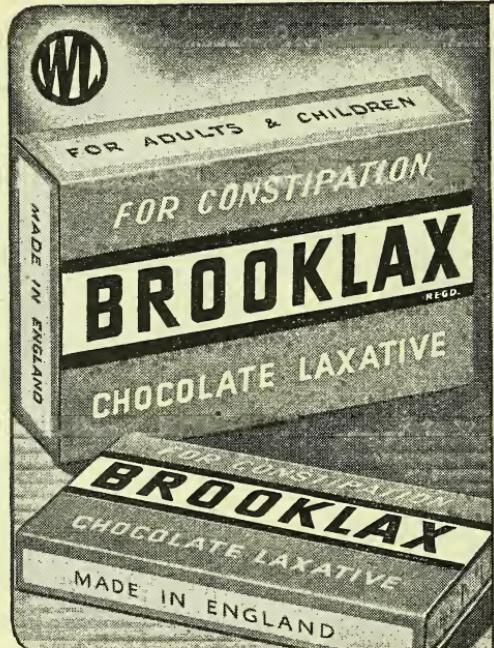


Are you a Realist?

Hat designers may be given to fantasies but our concern is a realistic approach to the practical art of good printing. And we've learnt a lot about it in our 70 years of printing service to all branches of industry. Why not benefit by our wide knowledge

of your needs. When you plan your next brochures, showcards, cartons, labels, etc., let us advise you. We'll be happy to assist you in every way.

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KIRKSTALL HILL, LEEDS, 5
*Print Specialists for over
70 years*



IT'S BRITISH
and you get
**33½%
DISCOUNT!**

In packs of 6 and 18 tablets

New Retail Prices 7½d. & 1/6

Trade per doz. 4/- & 10/-

Plus Purchase Tax

WESTMINSTER LABORATORIES LTD.

Chalcot Road, London, N.W.1

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PATA

GROUND DRIED YEAST

MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS



Containers of Metal
Glass, Aluminium
and Plastic

(PERCENTA LTD.)
Percenta House, 130/2 Tooley Street, London, S.E.1.

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The VITAMIN MALT FOOD

With Vitamins (A, 6,500 I.U., D, 400 I.U.)
per fl. oz.

JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN, London Dept.: 19 Brookside Rd. N

OLIVE OIL

CONSULT

CRODA LIMITED

CRODA HOUSE, SNAITH, GOOLE, YORKS
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Manchester Office : 74 CORPORATION ST., 4

FINEST ITALIAN LIQUORICE JUICE 25 gm. STICKS

A few cases to clear below cost.
ANY REASONABLE BID ACCEPTED

Sample and particulars upon request.

The Faylene Manufacturing Company
15 Queens Court, Lower Briggate, Leeds 1
Telephone 22594

This Display Stand -

WILL INCREASE YOUR SALES

An attractive display stand — a bonus offer — and 33½% discount, these three factors ensure substantial profits for this quick selling line.

ESOBAN Cream of Calamine

BONUS OFFER

14 to the doz. 6 doz. and over
13 to the doz. 3 doz. and over
for a two weeks' window and
counter display

Through all CF wholesalers

Show material will be sent direct on request.



4 oz. bottles 2/9 inc. tax
Discount 33½%

SOUTHON LABORATORIES LIMITED, 88 UPPER RICHMOND ROAD, LONDON, S.W.15

MERCOLIZED WAX

Although supplies are strictly limited, every chemist and wholesaler who purchased direct from us in the basic period will receive a quota in proportion.

CLYNOL BERRIES for OBESITY

however are available to all.

Please send your enquiries to our distributors :—

POTTER & MOORE, LTD.

Lavender House,

Seymour Road,

LEYTON, E.10

DEARBORN (1923) LTD.

“Kern House,” 36/38 Kingsway, London, W.C.2

“CALCIUM-SANDOZ”

CHOCOLATE FLAVOURED TABLETS

**AGAIN AVAILABLE
IN A NEW FORM**

Each tablet contains 12½ grains of calcium gluconate in a pleasant chocolate flavoured basis

BOXES OF 60 TABLETS

Prices :

42/- per doz.

Purchase Tax 14/- per doz.

Retail 5/10 per box

Manufactured in the United Kingdom

SANDOZ PRODUCTS LIMITED

134 WIGMORE STREET

LONDON

W·1

LONDON'S COATS OF ARMS



Stepney

The Armorial Bearings are intended to express in heraldic terms the history of the Borough of Stepney. Shipping has been its principal industry so the main charge is an ancient sailing ship on waves of the sea. On the upper portion of the shield, called heraldically the chief, there has been brought in the Cross of St. George with an anchor in the first quarter to differentiate it from the original St. George's Cross. An allusion to the patron saint, St. Dunstan, is shown by the two pairs of fire-tongs with which he was supposed to have pinched the Devil's nose.

For the Crest there are two Anchors, again representing the port, issuant from a mural coronet which is emblematic of the Tower of London. This latter possession, of course, gives Stepney a unique distinction.

Potter & Clarke, Ltd., have been in the Borough of Stepney since 1868, where they first had premises in Duke Street, off Brushfield Street.

DRUG MERCHANTS AND MANUFACTURING CHEMISTS

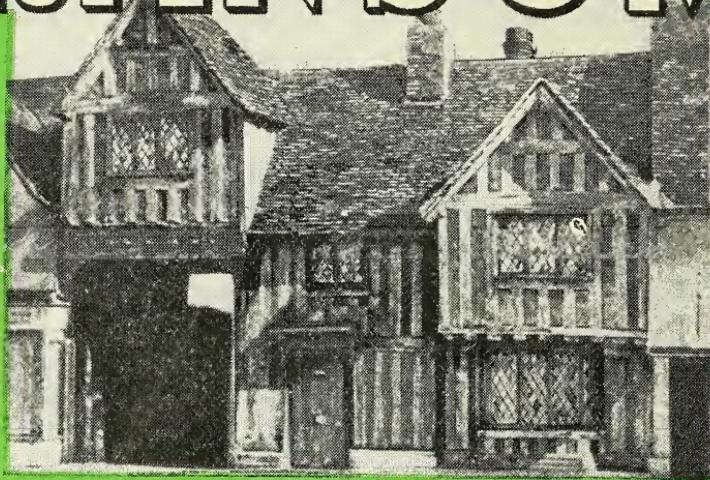
POTTER & CLARKE LTD

London &

Manchester.

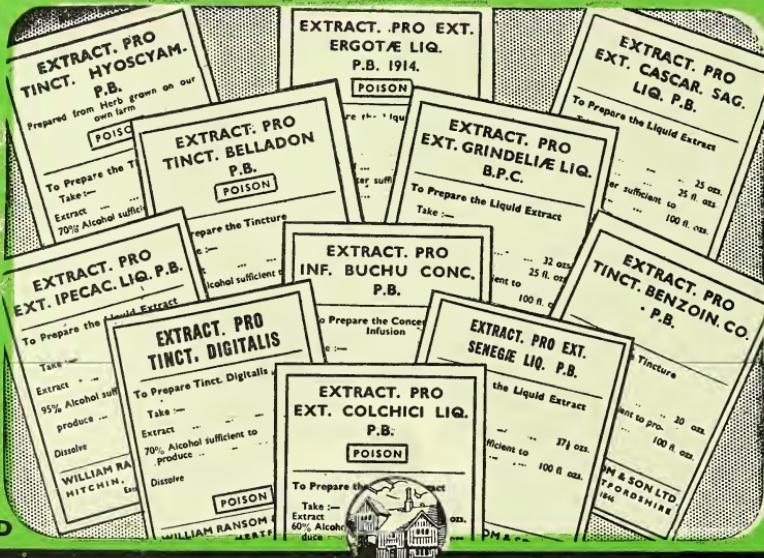


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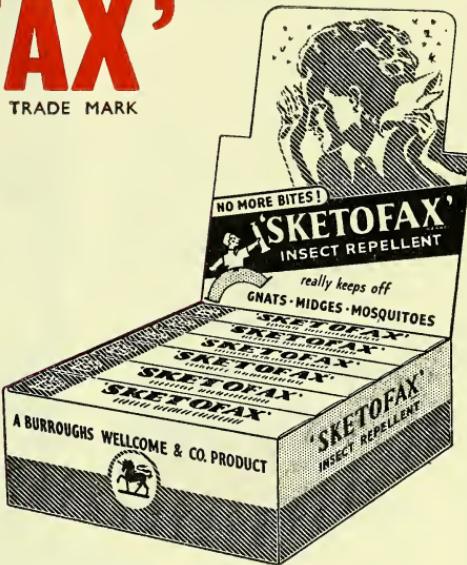
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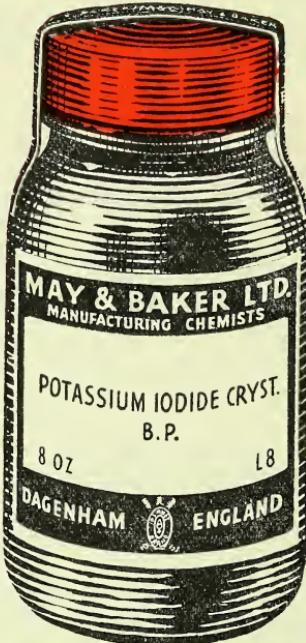
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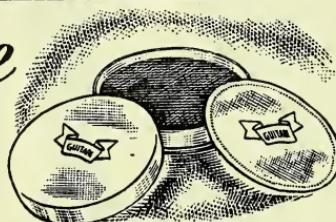
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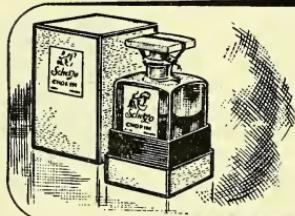
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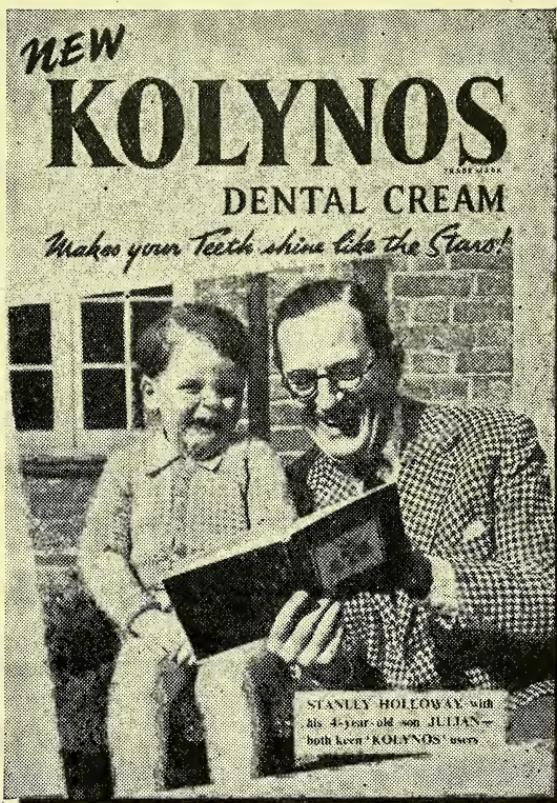
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JUNE 5, 1948

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No. 3563

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NEWS OF THE WEEK

Association Title Changed.—The title of the Wholesale Drug Trade Association was changed to The Association of British Pharmaceutical Industry on June 1.

Pharmaceutical Society's Officers.—The Council of the Pharmaceutical Society on June 2 elected Mr. H. C. Shaw *President* and Mr. J. F. McNeal *Vice-president*. Mr. W. S. Howells was re-elected *Treasurer*.

N.P.U. By-election Result.—The successful candidate in a by-election held recently for a member of the Executive of the National Pharmaceutical Union to represent Southern Division 3 was Mr. Hugh Holmes, Torquay, who received 179 votes and gained a majority of 71 over his opponent Mr. C. B. Gosling.

Exchange Control Changes.—An Exchange Control (Payments) Order, 1948 (S.I., 1948, No. 1080) which came into operation on May 31, removes the Argentine Republic and Brazil from the list of territories to which arrangements for "transferable accounts" apply, and restricts the manner of payment for U.K. exports to the two countries. The Order

consolidates a number of previous orders relating to Exchange Control payments.

T.S.A. Penicillin Licences.—A further list of holders of licences for dispensing penicillin injections under the Therapeutic Substances Act, 1925, is given below (previous lists were published on February 28, p. 285, March 13, p. 325, and April 10, p. 454):—ALNWICK, NORTHUMBERLAND: J. L. Newbiggin & Son, 13 Narrowgate. ELY CAMBS: J. A. Gardiner, 3 High Street. FALMOUTH: R. E. C. Truscott, 15B Killigrew Street. HAYES, MIDDLESEX: Caswell & Pickup, Ltd., 21 Broadway Parade, Coldharbour Lane. IPSWICH: Smalleys Chemists, Ltd., 6 Carr Street. LEIGH-ON-SEA, ESSEX: O. T. French, 1735 London Road; Smedley & Relph, Ltd., 1510 London Road. LLANDUDNO: Blades Dispensing Chemists (John Nelson, Ltd.), 68 Mostyn Street. LOWESTOFT: W. F. Cole & Sons, Ltd. (S. C. Halliday & Co.), The Grove Pharmacy, London Road. STRATTON, CORNWALL: A. C. Marrow, Fore Street. SUTTON, SURREY: Claude Inkster, Ltd., 84 High Street. WALLASEY: Walter C. Quayle, Ltd., 147

Wallasey Village. WEST HARTLEPOOL: Hartlepools Co-operative Chemists, Ltd., 110 York Road.

Trade with Japan.—The Treasury announces that arrangements have been concluded for trade between the United Kingdom and Colonies (excluding Hong Kong) and Japan to be conducted in sterling. Provision is made to extend these arrangements to any other member of the sterling area who wishes to participate.

Insecticide Manufacturers.—The following officers were appointed at the annual meeting of the Association of British Insecticide Manufacturers:—*Chairman*, Mr. H. J. Jones (Hemingway & Co., Ltd.); *Vice-chairman*, Dr. J. R. Boer (F. W. Berk & Co., Ltd.); *Treasurer*, Mr. R. V. Craven (Craven & Co., Ltd.).

Fuel-consuming Advertisements.—An Order in force from June 1, the Control of Fuel Order, 1948 (S.I., 1948, No. 1078), continues existing restrictions on the consumption of fuel in lighting fittings, etc., for the purposes of advertisement, but entitles the Minister of Fuel and Power to grant exemption by means of a licence. "Advertisement" is construed as "including the display of any article in the course of any business."

Long Service Awards.—For the fifth successive year Evans Medical Supplies, Ltd., have made awards to employees with twenty-five and forty years' service. Since 1944, 226 employees have been rewarded for twenty-five years' service and sixty-one for 40 years' or more service. Forty-eight of the latter group are still serving the company. Amongst this year's recipients of presentations were Messrs. J. A. Wilson (London manager), P. R. G. Kibbey (manager, shipping department) and E. P. H. Lescher (who is looking after the Evans interests in New Zealand).

Medical Photography Exhibition.—The medical group of the Royal Photographic Society held in London, May 24-29, its first exhibition of photographs of clinical conditions chosen to illustrate the value of photography to medical science. The exhibits included three-colour micrographs, black-and-white photographs, coloured transparencies and photographs taken by infra-red rays. Colour processes represented included Dufaycolor, Ektachrome, Finlaycolour, Kodachrome and Kodacolour. Medical cine films and a film-strip demonstrating the diagnosis of threadworm infestations were shown.

LOCAL NEWS

Hull Bowls Cup.—Mr. G. G. Simpson (managing director, Lofthouse & Saltmer, Ltd., manufacturing chemists, Hull), recently presented a silver cup to be competed for annually by the bowls section of the company's social and welfare club.

N.H.S. Discussion at Aylesbury.—At a meeting of the Harrow Branch of the Pharmaceutical Society held at Aylesbury on May 12, Dr. J. B. Wrathall Rowe spoke on "The National Health Service and its Implications for the Public." The speaker discussed details of the Act, and said the British Medical Association was doing much to protect the public from some of the disadvantages inherent in the Act. A vote of thanks was proposed by Mr. F. J. Janes and seconded by Mr. W. Rouse.

Attendances at East London.—Mr. S. Clifford Jones presided at the annual meeting of the East Metropolitan Branch of the Pharmaceutical Society, held at Stratford, London, E.15, recently. Mr. Stanley Robinson (secretary) said that in the wide area covered by the branch there resided some 400 pharmacists and twenty student associates. The average attendance at meetings had been seventy-five; for a talk on National Health Service questions given by Mr. G. A. Mallinson there had been an attendance of 250. Mr. Robinson thought the branch should organise at least one social event each year, in addition to those held by the West Ham Pharmacists' Association. At a subsequent committee meeting, the following officers were elected:—*Chairman*, Mr. R. B. Davies, Barking; *Vice-chairmen*, Messrs. L. H. Moppett, Walthamstow, and S. C. Jones, Canning Town; *Treasurer*, Mr. S. E. Morgan, Chigwell; *Secretary*, Mr. Stanley Robinson, 21 Broadhurst Avenue, Ilford. Mr. Joseph Reed (treasurer of the branch for many years) announced that he was now unable to accept nomination, and a resolution was passed expressing appreciation of his services.

Mrs. Irvine in Plymouth.—The attendance at a meeting held by the Plymouth Branch of the Pharmaceutical Society recently, when Mrs. J. K. Irvine (president of the Society) gave "A Review of Pharmaceutical Affairs," was the largest in the history of the branch. The Lord Mayor of Plymouth (Alderman H. J. Perry), who presided, was supported by the mayor of Saltash (Councillor C. E. Underhill, M.P.S.). In discussion Mr. Victor Smith asked if there was any news of the

remuneration likely to be paid pharmacists under the National Health Service. Mrs. Irvine stated that matters of remuneration were outside the province of the Society. Mr. A. M. Hunt inquired if the Ministry of Health had given any indication how many health centres there would be and when they were likely to come into existence. Mrs. Irvine said the question was being considered by the Ministry. Centres would be staffed by doctors, nurses, dentists and pharmacists, and patients would be free to take their prescriptions either to centres or to their own private chemist. Mr. T. G. Wallis asked Mrs. Irvine whether, if she could start out in life again, she would still choose pharmacy as a profession. Mrs. Irvine said things had changed a great deal since she had started in pharmacy nearly fifty years ago, but she thought that she would still choose pharmacy; students entering pharmacy were certainly alive to the future of the profession. A cheque for £5 5s. for the United Nations Appeal for Children was presented on behalf of the branch to the Lord Mayor, and another cheque for £5 5s. was presented to Mrs. Irvine for the Society's Benevolent Fund. A dinner in honour of Mrs. Irvine was held in the evening.

M.P.s at Harrow Meeting.—At a meeting of the Harrow Branch of the Pharmaceutical Society at Wealdstone, recently, the Members of Parliament for Harrow (Messrs. N. Bower and F. W. Skinnard) answered questions from Harrow pharmacists. Both speakers said they had come not only to state their personal opinions but to gather technical information which would help them in the House. On the control of distribution of proprietary medicines, Mr. Skinnard emphasised that the main principle of any legislation should be the safeguarding of health. The introduction of a proprietary medicines Bill was desirable. Mr. Bower also favoured some measure of control, but said the public should be allowed a reasonable degree of freedom. The State should interfere to protect the public against fraud and danger; an inquiry should be held to survey the whole field. Answering questions on the provisions of the Finance Bill that prohibit the use of trade marks for purchase-tax-free medicines, Mr. Skinnard considered that the statement of the manufacturer's name with that of the article would be sufficient protection of firms' goodwill. After some members had claimed that the acceptance of the section of the Bill was likely to act against the interests of re-

putable firms and to hinder the export of pharmaceuticals, Mr. Bower undertook to give the matter his closest attention. Discussing the composition of the Pharmaceutical Functional Council, Mr. Bower spoke in favour of employee representation. Mr. Skinnard felt that the point should have been raised earlier, when the formation of the Council was in progress. Even in the event of a reconstitution, considerable difficulties would be found in getting a proper method of representation, employee pharmacists being little organised. The suggestion that employee pharmacists should be represented on the Council without voting power was contrary to the Whitley Council conception.

IRISH NEWS

Ulster Associates.—At a meeting of the Associates' Committee of the Ulster Chemists' Association held in Belfast on May 27, the following were approved for associate membership:— Mr. Robert Mulligan (pharmaceutical chemist); Messrs. Daniel Carlin and Edward F. Campbell, and Miss Mary B. McDermott (assistants); Miss Sarah M. Brannigan, and Messrs. M. J. McEvoy and D. A. Vaughan (apprentices). The Associates' Section held a successful evening "mystery tour" by coach on May 26, through Bangor and Donaghadee. The social subcommittee intends to organise further outings during the summer.

Dublin Pharmacy Students.—Miss P. Fallon (chairman, Students' Representative Council) presided at an open forum held in Dublin on May 20 to hear Messrs. E. Burrell (record secretary) and John F. O'Grady (treasurer) report on the International Conference of Pharmaceutical Students held in London in April (see *C. & D.*, April 24, p. 531). Mr. Burrell dealt with the constitution of the International Pharmaceutical Students' Federation and Mr. O'Grady gave a detailed account of the pharmaceutical educational standards in Sweden, Switzerland, Belgium and Great Britain, and concluded by outlining how British pharmacists were equipping themselves for service under the National Health Service Act. A lively discussion followed and it was unanimously agreed that the Council of the Pharmaceutical Society of Ireland should be asked to allow the S.R.C. to co-operate in planning the new curriculum for Irish pharmacy students. It was reported that Mr. Burrell had been elected secretary for the English-speaking student bodies associated with the new international organisation.

OVERSEAS NEWS

New Drugs in U.S. — The 113th national meeting of the American Chemical Society held in Chicago, U.S.A., recently, discussed new drugs including 1-(4-aminophenyl)-2-(4-amino-2-thiazolyl) cyclopropane. The compound, which has a possible use in inhibiting growth of the tubercle bacillus, resembles Promizole in structure, according to workers at the University of Virginia, but contains a cyclopropane ring. A water-soluble, alcohol form of vitamin A was described by workers from the University of Rochester. New anaesthetics included basic imides of diphenylmaleic and naphthalic acids, the N-(2-diethyl-aminoethyl) derivatives of which had been shown to be two to three times as effective as cocaine when applied to the rabbit cornea.

Annual Meeting in Bombay. — At the eighth successive annual meeting of the Pharmaceutical and Allied Manufacturers' and Distributors' Association, Ltd., held in Bombay recently the following officers were elected for 1948-49: — *President*, Mr. F. W. Griffin, M.B.E., B.Sc., Ph.C.; *Vice-president*, Mr. R. Lumley; *Secretary*, Mrs. M. G. Phillips, B.Pharm., Ph.C.; *Treasurer*, Mr. T. A. Schinzel, D.Sc.; *Managing Committee*, Messrs. A. L. Chandavarkar, J. J. Harris, R. A. Haryott, M.P.S., W. E. Linford, A.R.I.C., N. McQueen, M.P.S., J. Roberts, and J. A. Swenarton, L.P.S.N.I. In his address, Mr. Luis Corty (past-president) said that the partition of India and the ensuing disturbances and dislocation of Governmental activity had made the position of the pharmaceutical importer and distributor in 1947-48 still more difficult. To date, importers had not received licences for pharmaceutical preparations for the first half-year of 1948 and there was no official intimation of the quota to be allowed against applications. There were still several important points in the Drug Rules on which a ruling from the Government was awaited. During the year the Association addressed the Government on the Indian glass industry, emphasising the necessity for allowing imports of bottles and packaging material as indigenous production could not meet the demand. In a brief speech the new president (Mr. F. W. Griffin) said that before long the legality of certain decisions given by Government on the Drug Rules would have to be tested by reference to court of law, and the Association would watch members' interests.

OFFICERS ELECTED

London Chamber of Commerce. — The following officers of the London Chamber of Commerce were elected recently: — *Chairman of Council*, Major J. C. Poole, M.C.; *Deputy-chairman*, Mr. C. Douglas Scriven; *Treasurer*, Mr. R. W. R. Law, O.B.E., M.C.

Public Pharmacists. — The new officers of the Tyne, Wear and Tees Branch of the Guild of Public Pharmacists are: — *Chairman*, Miss E. A. W. Garraway; *Vice-chairman*, Mr. G. T. Knight; *Treasurer*, Mr. R. A. Sidgate; *Secretary*, Mr. C. R. P. Strachan, Shotley Bridge Hospital, Shotley Bridge, co. Durham.

Birkenhead and Wirral Association. — The following officers of the Birkenhead and Wirral Pharmacists' Association have been elected or re-elected for 1948-49: — *President*, Mr. R. Pilkington; *Vice-presidents*, Messrs. R. J. Price and F. J. Nicholls; *Treasurer*, Mr. J. A. Dewar; *Secretary*, Mr. R. G. Collins, 53 Christchurch Road, Oxton; *Social Secretary*, Mr. J. W. Waterworth.

Brighton and Hove Branch. — At the annual meeting of the Brighton and Hove Branch of the Pharmaceutical Society held on May 25, the following officers were elected or re-elected: — *Chairman*, Mr. Donald W. Hudson; *Vice-chairman*, Mr. Stuart J. Padwick; *Treasurer*, Mrs. F. E. Motts; *Auditor*, Miss N. I. Bines; *Secretary*, Mr. Edgar Jones, 94 Preston Drove, Brighton, 6; *Deputy Secretary*, Mr. Arch Wilson, 13 Hove Park Villas, Hove, 4. Mr. Donald Hudson addressed the meeting on "The National Health Service."

Torquay Branch. — At the annual meeting of the Torquay Branch of the Pharmaceutical Society, recently, the following officers were elected: — *Chairman*, Mr. J. C. C. Bosanko; *Vice-chairman*, Mr. R. C. Matthews; *Treasurer*, Mr. W. H. Wyatt; *Secretary*, Mr. T. D. Evans, 2 Tor Hill Road, Torquay. The retiring chairman (Mr. Hugh Holmes) thanked the executive and members for the support given to him during his two years of office, and for having entrusted to him the privilege of acting as host to the British Pharmaceutical Conference. Mr. Bosanko, after paying tribute to the work of Mr. Holmes, hoped the interest of the younger members would be maintained, particularly in view of the responsibilities the National Health Service would impose on employee as well as employer pharmacists.

TOPICAL REFLECTIONS

Pharmaceutical Education

Your excellent report of and editorial comment on the annual meeting of the Pharmaceutical Society and the branch representatives' meeting which followed it (ten pages in all) present a wide choice of subject. I propose to notice here only two of the many matters brought forward, pharmaceutical education and the position of qualified dispensers under the National Health Service. Education was discussed at the branch representatives' meeting in various aspects and at times with some redundancy. The assurance from the platform that the Society has no intention of surrendering its statutory control of registration should set anxious minds at rest. As pharmacy is closely linked, "for better or worse," with medicine, it is regrettable that a report by the Medical Curriculum Committee of the British Medical Association on medical education has been published just too late to be of use in the branch representatives' discussion on May 20. That report proposes considerable changes in the arrangement of medical studies. To begin with, scholarships for medical students should be awarded "on the basis of general cultural education instead of on premature specialised knowledge of a few subjects." Next, there should be a searching assessment of intelligence and character with "ruthless" weeding out of the unsuitable, not only at entrance but also after the first and second years of study. This report will be studied by many educationists in addition to teachers in medical schools. What its effect on pharmaceutical education may be remains to be seen.

Qualified Control

The other matter indicated in my previous paragraph was discussed at the Society's annual meeting. The anomaly of the limitation under which qualified dispensers are to work in the National Health Service needs no demonstration. What can be done about it? We must avoid confusion between two different things, the relation of panel contractors to the service and that of qualified dispensers to the same service. The resolve of the Ministry of Health to deal only with actual contractors is understandable. A similar trouble has occurred in the relation between qualified assistants and unqualified branch managers: Sections 8 and

9 of the Pharmacy and Poisons Act of 1933 do nothing to obviate the friction which can and sometimes does arise in this relation. In the absence of an authoritative definition of "personal control" this unsatisfactory state of affairs is likely to continue. During the discussion at the meeting mentioned a speaker hit the nail on the head by suggesting that only an amending Act would meet the case. That would be the best solution. Both sets of circumstances could then be dealt with, thus composing the 1933 Act difficulty and the new one. What a subsequent speaker meant by stating that the new Act has been "bent" in its optical aspect is not clear to me. If this or any other Act of Parliament has been twisted or distorted and a case based on the fact comes before a High Court, short work will be made of the distortion.

A Learned Family

The mention on p. 686 of the Gregory of Edinburgh Medical School who "brought to the City the manufacture of morphine and other alkaloids" suggests a note on this distinguished family. Most examination candidates, unless they had studied in Edinburgh, would probably "fall down" on the question "State what you know about Gregory, who introduced into Scotland's capital the manufacture of certain alkaloids." They would jump to the conclusion that the formidable originator of Gregory's powder was the man. Let us go back some years. Long before alkaloids appeared on the pharmaceutical horizon, the University of Aberdeen had among its graduates James Gregory, a mathematician; he died in 1675, and was followed academically by fifteen members of the family who became professors in Scottish universities. Four of them chose medicine as their main interest. James, son of the first James, was "mediciner" at King's College, Aberdeen, from 1725 to 1732; another James, of the next generation, for the next twenty-three years; John, brother of the last-named professor, from 1755 to 1764. The sequence was varied by James, son of John; he taught in Edinburgh from 1776 to 1821, and is universally known through the perennial powder. In describing him as formidable I was thinking of some of his controversies, and especially of the assault on a colleague for which he was ordered to pay £100 as damages.

Xrayser

LEGAL REPORTS

Drugs Act Fine.—At Cardiff, on May 20, a fine of £45, with £12 costs, was imposed under the Food and Drugs Act, on E.N.T. Manufacturing Co., Ltd., Gloucester Road Bristol, for selling "tonic" wine not of the substance demanded, under a label calculated to deceive. It was stated that the retail price of a bottle of the wine, the contents of which were alleged to be worth only threepence, was 3s. 4½d. The label recommended the wine for neuralgia, sleeplessness, anaemia, and as a "nerve build-up." A public analyst said the product was not a wine in the accepted sense of the word. For the defence it was contended that no claim was made for nutritional or dietary value, but only that the wine had medicinal value.

Pharmacy Act Prosecutions.—At Marylebone magistrates' court, on May 26, Lionel Henry Lamoon, Sherwood Court,

Bryanston Place, Marylebone, London, W.1, pleaded guilty to summonses by the Pharmaceutical Society for unlawfully selling at 55 Crawford Street, W.1, on March 5, codeine contained in Veganin tablets, and for selling the preparation in a container not labelled in the prescribed manner. He was fined £5 with £5 costs on the first summons, and 40s. on the second. At Clerkenwell magistrates' court, on May 28, Ingrams Chain Stores, Ltd., 130 Wigmore Street, London, W.1, pleaded guilty to summonses by the Pharmaceutical Society for unlawfully selling at 186 Camden High Street, N.W.1, codeine contained in Veganin tablets, and for selling such poison in a container not labelled in the prescribed manner. The summonses were dismissed under the Probation of Offenders Act on payment of £2 2s. costs on each charge.

COMPANY NEWS

JOHN KINLOCH (ABBOT'S LANGLEY), LTD. (P.C.)—Capital £2,500. To carry on the business of wholesale, retail and manufacturing chemists, etc. John Kinloch, M.P.S., and Mary M. Kinloch, directors. R.O.: 61 High Street, Abbot's Langley, Herts.

HANNA'S PHARMACIES, LTD. (P.C.)—Registered in Belfast. Capital £5,000. To carry on the business of chemists and druggists, etc. John A. Fyffe, L.P.S.N.I., and Freda M. Fyffe, directors. R.O.: 16 Main Street, Bangor, Northern Ireland.

WHITE EAGLE CHEMICAL CO., LTD. (P.C.)—Registered in Dublin. Capital £20,000. To carry on the business of manufacturers of and dealers in synthetic soaps, cosmetics and oils, etc. Bronislaw Post, 89 Dunlacke Road, London, E.5, director.

DR. CORRY MEDICINE CO., LTD. (P.C.)—Registered in Belfast. Capital £2,000. To carry on the business of chemists and druggists. William H. Macartney, M.P.S.N.I., and Samuel J. Macartney, directors. R.O.: 226 Grosvenor Road, Belfast.

THAWPIT (IRELAND), LTD. (P.C.)—Registered in Dublin. Capital £20,000. To carry on the business of chemists, druggists, dealers in cleansers and synthetic detergents, etc. First directors are not named. Thomas A. Clear, 3 Bayswater Terrace, Sandycove, co. Dublin, subscriber.

BRONNLEY OF LONDON, LTD. (P.C.)—Capital £5,000. To carry on the business of manufacturers, wholesalers, retailers, importers and exporters of and agents for soap, oils, perfumes, etc. Hans Rossiter and Charles E. Stenhouse (directors of H. Bronnley & Co., Ltd.), directors. R.O.: Warple Way, Acton, London, W.3.

H. W. HARPER, LTD. (P.C.)—Capital £2,000. To carry on the business of designers and manufacturers of and wholesale and retail dealers in all kinds of optical, surgical, dental and ophthalmic instruments, etc. Herbert W. Harper, Rosa M.

Harper, Isaac Kelsey, and Joseph Hammersley, directors. R.O.: 15 Market Street, Bedworth.

SANITAS TRUST, LTD.—Final dividend on ordinary shares is 7½ per cent., making 12½ per cent. for ten months to March 31, the same as in the previous twelve months. Net profit amounted to £63,768, against £63,019.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—The proposed new issue of shares (see *C. & D.*, March 29, p. 691) is to be on the basis of one new ordinary share of £1 for each existing £5 of ordinary stock now held. The terms of the issue are to be announced later.

BRITISH DRUG HOUSES, LTD.—Net consolidated profit for 1947 after deduction for taxation amounted to £90,362, against £91,637. Parent company's net profit, after taxation, is £73,713, against £70,881. The dividend is 6 per cent., compared with 8 per cent. in the previous year.

GRIFFITHS HUGHES' PROPRIETARIES, LTD.—Consolidated net profit for the year ended March 31, after taxation, amounted to £137,189, against £236,214. The final ordinary dividend is 10 per cent., making 12½ per cent. for the year, compared with 15 per cent. in 1946-47.

KEMPTHORNE, PROSSER & CO'S. NEW ZEALAND DRUG CO., LTD.—Net profit for the year ended January 31 amounted to £82,847, against £87,116 in the previous year. A final dividend was recommended of 4½ per cent., making 8 per cent. for the year, the same as in 1946.

UNITED CHEMISTS ASSOCIATION, LTD.—Directors' report for the year ended March 31 records a disposable balance of £13,201, against £20,706 in 1946-47. The dividends are maintained at 15 per cent. on the founders' shares and 10 per cent. on ordinary shares. Mr. Joseph Hearle, M.P.S., offers himself for re-election.

PERSONALITIES

MR. SYDNEY E. CAMPBELL, M.P.S.N.I., Abercorn Pharmacy, 97 Bishop Street, Londonderry, who has been co-opted to the Council of the Pharmaceutical Society of Northern Ireland (see p. 738), has been a member of the Londonderry Chemists' Association for over twenty years, and has served for part of this time as secretary and president. He has been an active member

of N.H.I. committees, and a representative of Londonderry on the pharmaceutical negotiating committee under the new health services scheme. Apprenticed with Mr. Samuel Dale, Londonderry, Mr. Campbell assisted the late Mr. James Hill, Strabane, for a period before the 1914-18 war. On his return to Londonderry after the war he served as an assistant with Messrs. Dale and H. Sweeney, and after qualifying in 1926, opened his present business at Bishop Street. During the 1939-45 war Mr. Campbell commanded a company of the Home Guard in which the late Mr. Glendinning (former president of the Society) was quartermaster-sergeant.

MR. W. H. LIGHTBOWN, M.P.S., Granville Road, Blackburn, has been installed president of Blackburn Sunday School Union.

MR. CRICHTON STEVENS, LL.B. (Lond.), M.P.S., 112 Clapton Mount, Halifax, and Lincoln's Inn, has passed the final examination for call to the Bar; he was successful in Division II at the Trinity examinations recently.

DR. JOHN HUTCHINSON, F.R.S., is retiring after forty-four years on the scientific staff of the Royal Botanical Gardens, Kew. His published works during that time include "A Botanist in Southern Africa" and "Families of Flowering Plants."

MR. JOHN LESLIE HINDLE, B.Sc. (managing director, Standard Synthetics, Ltd., essential oil distillers, Barnes, London, S.W.13), left London Airport on June 1 to spend several weeks in North America. He is visiting the Canadian International



Trade Fair in Toronto and renewing business contacts in Toronto and Montreal.

MR. ALFRED C. YEATES, M.P.S., 50 High Street, Stourbridge, has been elected President of the Stourbridge Rotary Club. Mr. Yeates is a member of the Worcestershire Pharmaceutical Committee and local secretary for the Worcestershire Branch of the National Pharmaceutical Union.

DEATHS

ATKINSON.—On April 22, Mr. William Arthur Atkinson, M.P.S., Belgrave Road, Wanstead, London, E, formerly of Whitby. Mr. Atkinson qualified in 1907.

BURKE.—On May 12, Mr. Hugh Burke, M.P.S., Parker's Row, Bermondsey, London, S.E.1. Mr. Burke qualified in 1919.

ELBORNE.—On May 5, Mr. Henry G. Elborne, M.P.S., Church Street, Cromer, aged forty-nine. Mr. Elborne had been the manager of the Church Street, Cromer, branch of Boots, Ltd., for twenty-two years.

FOULDS.—At a nursing home in Glasgow, on May 24, Mr. Andrew Foulds, M.P.S., 31 Rue End Street, Greenock. Mr. Foulds qualified in 1905.

HICKEY.—At 130 Trinity Street, Gainsborough, Lincs, on May 14, Mr. Gerald Joseph Hickey, M.P.S., 457 Wandsworth Road, London, S.W.8, aged fifty.

INGHAM.—Recently, Mr. Cyril Ingham, 193 Casterton Avenue, Burnley, Lancs, aged fifty-four. Mr. Ingham qualified in 1915 and took out a life membership of the Pharmaceutical Society. After the war of 1914-18 he worked for some time with Dodsleys, Ltd., chemists, Burnley, before taking over the business of Veitch (Chemist), Ltd., at Queensgate, Burnley. Mr. Ingham is survived by his widow and a son. .

SHAW.—On May 12, Mr. William J. Shaw, 21 Moira Park, Bangor, co. Down, for nearly forty years representative and manager in Northern Ireland for Bovril, Ltd., and Virol, Ltd.

VARLEY.—On May 25, Mr. Edgar Varley, M.P.S., 182 Lee Lane, Horwich, Bolton, Lancs, aged seventy-one. Mr. Varley took over his father's pharmaceutical business after the 1914-18 war. The pharmacy is claimed to be the oldest in Horwich, dating back to 1887. Mr. Varley is survived by his widow. .

TRADE NOTES

Independent. — Rimmel Distributors, Ltd., 48 North Row, Park Lane, London, W.1, announce that they have no connection with any concern bearing a similar title. The company's factory is at 30 Bollo Bridge Road, Acton, London, W.3.

Tax on a Product. — The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, point out that they omitted to give the tax-inclusive price (2s. 11d.) of their Lacto-calamine lotion in an announcement in the *C. & D.*, May 29.

Labels for Tax-free Medicines. — A series of "austerity" labels, for use by chemists selling official and officinal preparations free of purchase tax, is available from James Townsend & Sons, Ltd., printers, Exeter.

Display Stand and Bonus. — Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15, have introduced a display stand for Esoban cream of calamine. The item is illustrated on another page, where are given also details of the company's bonus offer.

Horticultural Sprays. — A range of garden sprays issued by Shell Chemicals, Ltd., was shown for the first time at the Chelsea Flower Show recently. A Shell spraying calendar, published by the company, gives guidance to amateur gardeners on when and how to spray fruit, vegetables and flowers.

Prices. — Advertisers who devote their announcements in this issue to giving details of prices of their products include PARKE, DAVIS & Co., 50 Beak Street, London, W.1; ST. ANDREW MILLS, LTD., Walthamstow, E.17 (toilet rolls), and WILFRED STRETCH & Co., LTD., Union Works, Castleton, Rochdale (Femex sanitary towels).

Corrigendum. — Hirst, Brooke & Hirst, Ltd., Leeds, point out that their full-page announcement in colour on the front cover of this issue gives currency to an incorrect spelling of one of their trade marks. Unfortunately it was included in a stereo and could not be rectified by the printers. Readers are therefore asked to cross out an "I" and insert an "A" to give the correct spelling *Verrasept*.

Dyes in Boxes. — To preserve their brilliance under all conditions of storage, Dylon fast powder-dyes for home dyeing are individually packed in hermetically-sealed aluminium boxes, enclosed in transparent envelopes printed in colour. Dis-

play material and colour charts are available from the manufacturers, Mayborn Products, Ltd., 47 Westow Street, Upper Norwood, London, S.E.19.

Ready-spread Kaolin Poultice. — Carnegie Bros., Ltd., Essex Road, London, N.1, have introduced C.P.10, a ready-spread antiphlogistic kaolin poultice, for which the advantages claimed are that it acts as a mild local analgesic, is prepared with a base that is sterilised during processing (cannot, therefore, function as culture medium), and incorporates glycerin, thymol, and magnesium sulphate.

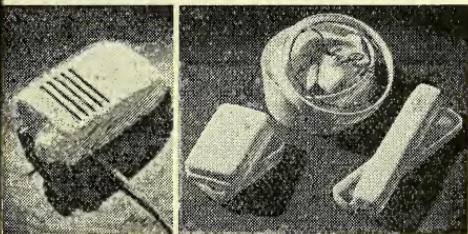
Sunburn Treatment. — Carlton Pharmaceutical Industries, Ltd., 78 Bollo Bridge Road, London, W.3, have introduced Sunbalm antiseptic sunburn treatment, containing phenyl salicylate, chlorocresol, parachlorometaxylenol and tincture of benzoin in an oil-in-water emulsion base. The product is packed in 2-oz. jars, in 1-doz. attractive show outers. Orders may be sent direct or to the sole agents: Meggeson & Co., Ltd., Chessington Hall, Chessington, Surrey. Sunbalm is on the Chemists' Friends List.

Supplies Available. — ALLEN & HANBURY'S, LTD., Bethnal Green, London, E.2, announce that supplies of Charkaolin granules and tablets are again available on the home market. Also available are tablets of folic acid, A. & H., 5-mgm. for oral administration, bottles of twenty-five and 100.—SWAN MILL PAPER Co., LTD., 92 Regent Street, London, W.1, state that their Softex toilet roll and Softex interleaved toilet tissues are now in reasonably good supply. Swantox fly killer, introduced after many months of preparation, is also available — in transparent-wrapped packets.

Awards for Collapsible Tube Designs. — The successful competitors from 181 entries in a competition for the surface design of collapsible tubes, organised by the Collapsible Tube Manufacturers' Association, were:—*Open Awards* — First prize (£50), John H. Hartley, 33 Eric Mead, Chadwell Heath, Essex; second £25, Sidney Arthur Garrad, 240 Huntingfield Road, Putney, London, S.W.15; third £10, Eric Ferguson, 117 Pepys Road, London. *Art Students Only.* — First prize (£25), Tom G. Wolsey 15 Kingsway Drive, Harrogate, Yorks; second (£15), Ronald H. Smith, 64 Stanley Road, Hornchurch, Essex.

Point of Contact. — Buyers of everything connected with pharmacy and the drug trade turn naturally to the *C. & D.* Trade Directory and Buyer's Guide (an integral part of THE CHEMIST AND DRUGGIST Diary and Year Book) for information about suppliers. Manufacturers and others are reminded that every year many fail to secure mention in the directory through being too late in booking entries. The 1949 Diary is now in process of preparation, and the Publisher invites inquiries.

Goods in Moulded Plastic. — Illustrated in this paragraph are toilet articles con-



structed of Celastoid sheeting and moulding powders, manufactured by British Celanese, Ltd., 22 Hanover Square, London, W.1. At left is an electric dry shaver and at right are a soap-dish, box for baby puff, and tooth-brush-holder.

Proprietary Articles Trade Association

Additions to Protected List (Part 1). — *Glain Industries*, Glain tablets, vial of twelve, 3s. 6d. doz., tax 33½ per cent., inclusive retail price 6d. doz.

Sandersons (Chemists), Ltd., (Distributors: James Woolley, Sons & Co., Ltd.), Sanderson's throat specific, 10s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 6d.; cough linctus, 10s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 6d. Six doz. assorted, less 2½ per cent.

Wigglesworth, Ltd., Opas-Ol, 11s. doz., tax 33½ per cent., i.r.p. 1s. 7d.; one doz. 10s. doz.

Alterations to Protected List (Part 1). — *Allen & Hanburys, Ltd.*, Syrup of creosote, 4-oz., 12s. doz., tax 33½ per cent., i.r.p. 1s. 10d.; 8-oz., 19s. 8d. doz., tax 33½ per cent., i.r.p. 3s.

John Bell, Hills and Lucas, Ltd., Cherry brand malt and oil now exempt from tax, 1-lb., 23s. 6d. doz., 2s. 8d.; 2-lb., 44s. 6d. doz., 5s. 1d.

Bob Martin, Ltd., Cleansfur, 5s. 10d. doz., tax 100 per cent., i.r.p. 1s. 1½d.; chalk block, 5s. 10d. doz., tax 100 per cent., i.r.p. 1s. 1½d.

Rybar Laboratories, Ltd., Rybarvin inhalant, now exempt from tax; 6os. doz., 7s. 6d.

Westminster Laboratories, Ltd., Introductory bonus offer: — Two packets Magtriz tablets free with every doz. ordered (plus usual 2½ per cent. for cash with order).

Allen & Hanburys, Ltd., Torch brand glycerin

suppositories, infants', 9s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 6d.; children's, 10s. 9d. doz., tax 33½ per cent., i.r.p. 1s. 9½d.; adults, 12s. 3d. doz., tax 33½ per cent., i.r.p. 2s. 1d.

J. L. Bragg, Ltd., New packs, exempt from tax from June 1: Medicinal charcoal, B.P.C.—biscuits, 17s. 6d. doz., 1s. 10d.; 32s. doz., 3s. 4½d.; 6os. doz., 6s. 3d.; lozenges, 12s. doz., 1s. 3d.; tablets, 14s. 3d. doz., 1s. 6d.; powder, 29s. 6d. doz., 3s. 1½d.; granules, 23s. doz., 2s. 5d.; capsules, 24s. doz., 2s. 6d.; 96s. doz., 10s.

Sangers, Ltd., Edgar's lotion, 27s. 6d. doz., tax 33½ per cent., i.r.p. 3s. 8d.; Kephaldol brand tablets, 29s. 3d. doz., tax 33½ per cent., i.r.p. 4s. 1d.

Deletions from Protected List (Part 1). — *Allied Laboratories, Ltd.*, Cortesan foot powder and ointment.

Associated Chemicals, Ltd., Complaxa; Oran-yeast. (Persomnia transferred to Clinical Products, Ltd., entry).

Chatelaine Preparations, Fogyl.

Kaylene, Ltd., Colonol liquid paraffin; Formakaylene tablets.

A. H. Cox & Co., Ltd., Silvettas (for indigestion).

Glaxo Laboratories, Ltd., Myodil.

Granto Laboratories, Ltd., Gluconon.

Harvey's Remedies for the horse: Parasiticide, hoof ointment, skin specific for dogs.

International Laboratories, Ltd., Neodex seltzer.

Invicta Proprietaries, Ltd., Bojeston.

Jeyes Sanitary Compounds Co., Ltd., Cyllin disinfectant.

Kay Bros., Ltd., Kayloid compound linseed tablets.

Thomas Kerfoot & Co., Ltd., Friar's balsam pastilles, lime fruit and sulphur lozenges, Mineral Spring health granules.

Leyland & Birmingham Rubber Co., Ltd., Sterenema enema, Nuleda black-roll test, Pharmena enema.

Veno Drug Co., Ltd., Germoplast.

BUSINESS CHANGES

BUTT LANE INDUSTRIAL CO-OPERATIVE SOCIETY, Ltd., Stoke-on-Trent, have opened a pharmacy branch at 33 Church Street, Audley, Staffs.

M. L. BENJAMIN & Co., Ltd., sponge importers, have removed to larger premises at 291 Argyle Street, Glasgow.

MR. JOHN WILKINSON, M.P.S.N.I., has acquired the pharmacy at 87 Beersbridge Road, Belfast, formerly carried on by Mr. William Gilmore, M.P.S.N.I.

BRITISH ALUMINIUM CO., LTD., have transferred their Manchester branch office (North-western area) to 46 Fountain Street, Manchester, 2. The telephone number (Deansgate 3639) is unchanged.

S. MAW, SON & SONS, LTD., Aldersgate House, New Barnet, Herts, have appointed Mr. C. F. Endersby manager of the feeding-bottle department of the company.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, have appointed Mr. J. R. Dale, M.P.S., B.Sc. (Econ.), to take charge of the price fixation section of the costing department at head office, and Mr. L. V. Allen, Ph.C., to take charge of the research department, Evans Pharmaceutical Laboratories.

THE WEEK IN PARLIAMENT

MR. HAROLD WILSON told the House of Commons on May 25 that the pilot census of distribution had been a success "in spite of the attempts made to discourage traders from taking part." He informed Mr. S. T. Swinler that more than 10,000 completed returns, and many letters containing useful suggestions, had been received, and he thanked all concerned. Mr. Wilson proposed, he said, to set up an Advisory Committee under the terms of the Act to assist the Board of Trade with the preparation of the forms and with other matters concerning the national census of 1950. "I am anxious not to place more burdens on traders than are necessary and I therefore propose asking the Committee to consider, in the light of the pilot census, how the forms may be made easier to complete while at the same time eliciting the information that should be collected at a first census of this kind."

Accessories under N.H.S.

SIR ERNEST GRAHAM-LITTLE asked the Minister of Health on May 25 why, in the new National Health Service, persons requiring dentures and spectacles were given the option to pay the difference between the free issue and the privately produced article; no such provision was made regarding hearing aids. "In view of the fact that the hearing aid to be freely supplied under the Health Service Act is inferior to privately produced aids on the market, will he make this concession to those wishing to secure a superior instrument?" MR. ANEURIN BEVAN replied that he could not accept the assumption in the last part of the question.

Scientific Instruments Industry

SIR WAVELL WAKEFIELD asked the Foreign Secretary whether he was aware that the British scientific instrument industry was seriously prejudiced in its development by the decision to remove all control from the German scientific instrument industry, and whether he would arrange to set up an inter-departmental committee to consider policy in the matter?

MR. ERNEST BEVIN replied that Sir Wavell had been misinformed. "Executive authority for this and other industries was transferred to German administration in January 1947, but the establishment of the level of the industry, its demilitarisation, and the control of research remained military Government responsibilities. He could not agree that the British scientific instru-

ment industry had been harmed by the decision. The Government's policy aimed at striking a balance between eliminating Germany's war potential and making the German economy self-supporting.

COMING EVENTS

Monday, June 7

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Chamber of Commerce, Birkenhead, at 7.40 p.m. Emergency meeting to discuss National Health Service terms.

Tuesday, June 8

BRITISH CHEMICAL AND DYESTUFFS TRADERS' ASSOCIATION, LTD., Savoy Hotel, London, W.C.2, at 1 p.m. Twenty-fifth anniversary luncheon.

PRESTON BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Bull and Royal Hotel, Church Street, Preston, at 7.30 p.m. Meeting to discuss reports on Branch Representatives' meeting and N.P.U. conference.

READING AND BERKS BRANCH, NATIONAL PHARMACEUTICAL UNION, Palmer Hall, Reading, at 7.30 p.m. Conference delegates' report.

Wednesday, June 9

LONDON CHEMISTS' GOLFING SOCIETY. Fixture at Brookman's Park Golf Club (Telephone: Potters Bar 2487).

ULSTER CHEMISTS' GOLFING ASSOCIATION, Royal Belfast Golf Club, Craigavon, co. Down. Annual competition for McMullan cup, bogey competition and annual meeting.

Thursday, June 10

WEST HAM ASSOCIATION OF PHARMACISTS. Visit to Allen & Hanburys, Ltd., Ware. Particulars from Mr. W. H. Cloud, 45 Longbridge Road, Barking, Essex (Telephone: Rippleway 3829).

FIFTY YEARS AGO

Companies and Medical Practice

(From the C. & D., June 4, 1898)

On Saturday the [General Medical] Council considered in camera "the practice of unqualified persons obtaining registration under the Companies Act and trading as apothecaries, physicians and surgeons," and the following resolution was agreed to:—

That the President, Mr. Tomes, and Mr. Horsley be a committee to take such steps as they deem most effective to induce the Government to insert a clause in the Companies Act Amendment Bill, now before Parliament, with the object of preventing the registration of companies to carry on medical, surgical, and dental practice.

Although the Council do not in this resolution formally recognise the complaint of pharmacists in this matter (which they could not do officially), there is reason to believe that their action was induced by the knowledge of their grievance.

N.H.S. TERMS OFFERED BY THE MINISTRY

In a letter send out on May 28 to secretaries of Pharmaceutical Committees and secretaries of National Pharmaceutical Union branches, Mr. G. A. Mallinson (secretary of the N.P.U.) gives details of the "final offer" of terms by the Ministry of Health, made at a meeting held at the Ministry on May 27. Details of the offer are as follows:—

(1) An average dispensing fee of 1s. (one shilling) per prescription (not form).

(2) Ingredients at cost plus 33½ per cent, adjusted for purchase tax.

(3) An average allowance of 2½d. per prescription for containers (i.e., if 100 prescriptions are dispensed, 100 x 2½d. will be paid, regardless of the number of "suitable containers" actually used).

(4) Rota service at 7s. 6d. per hour.

(5) Special fees for the supply of trusses, surgical hosiery and oxygen therapy equipment — the fees, when

agreed, not to be counted against the computation of the overall average of 1s.

Agreement has not yet been reached with the Ministry on the method of pricing prescriptions, which is being considered by the Ministry and the N.P.U. in the light of criticisms levelled at the Union's flat-rating plan and at the Ministry's suggestions, which involve averaging. A further meeting between the Ministry and the contractors' committee is to take place before the June 3 Conference of Pharmaceutical Committee and N.P.U. Branch secretaries and an announcement may be made at the Conference as to the suggested method of allocating the average fee of 1s. per prescription. The Ministry's offer makes it necessary to revise the N.P.U. suggested flat rates, but Mr. Mallinson points out that the principles of larger payment for quantity and dosage will be covered by whatever method is adopted.

SCOTTISH RETAIL WAGE SCALES

As a result of negotiations between the Scottish Pharmaceutical Federation and the Union of Shop, Distributive and Allied

Workers, the following minimum weekly rates of wages come into operation in Scotland from June 21:—

Qualified Managers and Manageresses

| CONTROLLING A STAFF OF | MANAGERS | MANAGERESSES |
|---|-------------|--------------|
| Three or more full-time employees | £8 5s. | £7 15s. |
| Less than three full-time employees | £7 17s. 6d. | £7 7s. 6d. |

Qualified Assistants

| SEX | FIRST YEAR | SECOND YEAR | THIRD YEAR |
|--------------|-------------|-------------|-------------|
| Male | £6 11s. 6d. | £6 16s. 6d. | £7 1s. 6d. |
| Female | £6 1s. 6d. | £6 6s. 6d. | £6 11s. 6d. |

Unqualified Assistants who have Completed Articles of Pupilage

| AGE 20 | | AGE 21 | | AGE 22 | | AGE 23 | | AGE 24 | |
|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| s. 73 | s. 67 | s. 86 | s. 75 | s. 91 | s. 80 | s. 96 | s. 85 | s. 104 | s. 90 |

All other Assistants except Apprentices

| SEX | AGE | | | | | | | | | |
|-----------|------|------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| Male .. | 29s. | 33s. | 37s. 6d. | 47s. 6d. | 55s. 6d. | 62s. 6d. | 78s. | 82s. | 85s. 6d. | 93s. 6d. |
| Female .. | 24s. | 28s. | 34s. 6d. | 40s. 6d. | 44s. 6d. | 48s. 6d. | 56s. 6d. | 60s. 6d. | 67s. 6d. | — |

LABELLING OF ANÆSTHETICS IN AMPOULES

FOLLOWING discussions between the Association of Anæsthetists, Association of British Chemical Manufacturers and Wholesale Drug Trade Association, under the ægis of the Ministry of Health, a series of recommendations has been issued for application as and when production facilities permit. The recommendations provide for indelible marking rather than paper labels and apply to all ampoules containing solids, solutions or solvents that are normally used for the production of (a) muscular relaxation, (b) spinal, regional or local analgesia, or (c) general anæsthesia, by (i) intrathecal injection, (ii) epidural injection, (iii) intravenous injection, (iv) intramuscular injection, or (v) tissue infiltration.

Text of Label

The name or official abbreviation of a British Pharmacopœia product should appear on the ampoule and should, by size of type or layout, be as conspicuous as any proprietary name on the label. Where there is only a B.P. monograph for the active ingredient/s, and it is desired to put a proprietary name on the ampoule, such descriptions as "ABC brand injection of X, B.P." is regarded as unexceptionable. For a liquid, the quantity of preparation in the ampoule should, wherever possible, be specified as the volume of

the liquid extractable by syringe; for a solid, as the total weight of the contents of the ampoule. It is pointed out, however, that legislation such as the Dangerous Drugs Acts and the Poisons Rules requires the absolute contents, and not the contents extractable by syringe, to be stated. The method of expressing the strength of preparation is left to the manufacturers' discretion, and present styles will therefore, in general, "probably continue for present products," but the manufacturer should, when considering the method of indicating strengths, especially of new products, study the merits of each case, so that the style adopted (whether on a percentage basis or in the form of "1 in . . .") is best calculated to assist the anæsthetist in his work.

Marking on ampoules should remain legible throughout sterilisation of the outside surface of the ampoule and during storage of the ampoule in disinfectant solutions. Labelling that remains legible after the following treatment is regarded as satisfactory:—

(a) Autoclaving at 115° C. for thirty minutes, followed by

(b) Immersion in undiluted lysol at 85° C. for twenty-four hours. If an order involves special labelling for a particular customer, the tests for durability of labelling do not apply.

PURIFICATION OF ANTI-ANÆMIA FACTOR

At a meeting of the Biochemical Society at Oxford on May 29, Dr. E. Lester Smith (senior biochemist, Glaxo Laboratories, Ltd.) announced that he had been successful in isolating the factor in liver extracts which is responsible for relieving Addisonian pernicious anæmia. Dr. Smith had previously announced (see *C. & D.*, May 1, p. 563) the isolation of two coloured substances believed to be different forms of the anti-anæmia factor. The following account of the methods of purification which eventually led to the crystallisation of the pure substance as red needles has been contributed by Dr. Lester Smith and his colleague, Dr. L. F. J. Parker:—

Ox liver has been concentrated by the methods described by Emery and Parker (1946). Alternatively, proteolysed liver extract made on a production scale has been re-adsorbed chromatographically on to charcoal and eluted with hot 65 per

cent. ethyl alcohol. Material from either source has been further purified by partition chromatography on damp silica, the solvent being *n*-butanol two-thirds saturated with water either alone or mixed with phenol. Alternatively *n*- or *iso*-propanol containing 10-20 per cent. of water gave excellent separations despite the complete miscibility of the solvents with water. The columns usually revealed fast-running yellow pigments, and brown pigments held fast near the top, with a pink zone between. Numerous clinical trials showed that the pink layer contained substantially all the activity; the material could be further fractionated from coloured and colourless impurities by repetition of partition chromatography and by fractional precipitation with ammonium sulphate (between one-third and two-thirds saturation). Some batches of silica adsorb the pigment slightly, permitting additional purifica-

tion by adsorption chromatography from aqueous solution, or better from one-tenth to one-half saturated ammonium sulphate, which greatly sharpened the band. Adsorption chromatography on alumina from aqueous solution was useful at an early stage to remove dark pigments. For the partition chromatography, starch could be used instead of silica to avoid the complicating effect of adsorption. On starch columns, red pigments from both proteolysed and non-proteolysed liver separated into two pink bands with R values averaging 0.5 and 1.2 respectively. Non-proteolysed liver yielded mainly the slow-moving pigment; the fast-moving one, which was also clinically active, is thought to arise from slight autolysis of the liver, because direct papain treatment of the liver

yielded mainly this pigment. Repeated chromatography effected little or no further concentration of the colour beyond the stage where an optimal clinical response is given by about 0.3 mgm. Some chemical and physical properties of such material have recently been described. Following treatment with trypsin, however, chromatography on silica or charcoal gave further dramatic concentration. The substance finally crystallised from aqueous acetone as red needles. The crystalline product had thirty-seven times the colour intensity of a batch active at 0.3 mgm., giving a calculated dose of 8 μ gm. It appears probable that our substance is the same as that recently described by Rickes and other American workers, who suggest that it be named vitamin B₁₂.

BRITISH PHARMACEUTICAL CONFERENCE, 1948

ACCORDING to the preliminary programme of the British Pharmaceutical Conference, to be held in Brighton from Monday, August 30 to Friday, September 3, the opening session is to take place on Tuesday morning, with a civic reception the previous evening. Science sessions are to be held on Tuesday morning and afternoon, Wednesday morning and Thursday morning (before the Branch Representatives' meeting) with a symposium session on Friday morning. The Branch Representatives' meeting is to take place on Thursday morning and afternoon. Social events include a Conference excursion to Beachy Head on Wednesday afternoon, followed in the evening by the Conference ball, and the Conference banquet on Thursday evening. The closing session is on Friday afternoon. Accommodation should be booked through Hotel Bookings & Information, Ltd., 20 West Street, Brighton. Books of Conference tickets are obtainable (price £5 5s. each, cheques to be made payable to Brighton Pharmaceutical Conference Committee) from Mr. C. V. Brumwell (local treasurer), 50 Saxon Road, Hove, 3.

Grants for Research Workers

The Pharmaceutical Society's Council has placed at the disposal of the Conference Executive £500 to be used to further its work during 1948. The Executive has decided to use the money to encourage young pharmacists and research workers to attend the meeting at Brighton. Grants consisting of one full book of Conference tickets and the cost of one

third-class return railway ticket to Brighton from the station nearest the applicant's usual residence are to be offered to pharmacists and other members of the Conference (except student-associates) under thirty years of age on August 30. (For applicants who served in the Forces during the recent war, the age limit is to be raised to allow for the period of service).

Application Procedure

Applications for grants should be sent as soon as possible to the general secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1. Applicants must state their name, date of birth, period of service in the armed forces during the war, the name of the railway station from which the ticket is required, and the fare. A brief statement of the applicant's career including qualifications and (in the case of pharmacists) date of qualification must also be given. Each application must be supported by a letter of recommendation from the secretary of the Branch of the Pharmaceutical Society to which the applicant belongs or the head of the pharmacy department of a college or school, or (for a non-pharmacist) a responsible officer of the organisation in which he is employed. Persons not at present members of the Conference may apply but any award is to be subject to election to membership.

The trustees of the Corfield Memorial Fund state that they will consider making awards to young research workers. Applications should be addressed to the general secretaries of the Conference.

LEICESTER MEMBERS' QUESTIONS ON N.H.S.

THERE was a large attendance at a recent meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society when DR. E. K. MACDONALD, O.B.E. (medical officer of health for Leicester) spoke on the National Health Service. Dr. MacDonald first described the structure of N.H.S. machinery, and went on to give an account of how the various auxiliary services would be carried on. It was estimated that twenty-five health centres, each with ten doctors, would be required in Leicester, but their establishment was likely to be delayed by building difficulties. After explaining the arrangements for providing a pharmaceutical service laid down in the National Health Service (General Medical and Pharmaceutical Services) Regulations, 1948 (see *C. & D.*, April 3, p. 439), Dr. MacDonald answered a number of questions including the following:—

What will happen to dispensaries maintained by friendly societies, etc.? They will be out of business. Some premises (but none in Leicester) will be taken over by the Health Committee.

Will a twenty-four hour service be required? The Executive Council will specify

times of opening for chemist contractors.

Will health centres have pharmacists on the staff? The Health Committee will decide. There will not be any pharmacists in Leicester health centres.

Team Spirit for Health Centres

What advantages would there be if twenty-five centres were established in Leicester? The main advantage would be for the doctor's wife, as her house would not be used as a business establishment. The maximum travelling distance to a centre would not be more than a quarter of a mile, and a waiting room would be provided. There would be more team spirit and modern apparatus would be available.

What is the position for optical treatment? Some appliances such as steel-rimmed glasses, etc., will be supplied free. If expensive types such as gold- or shell-rimmed glasses are required, then the cost must be covered by the patient.

Will a new container be necessary for every prescription? The container will be free and there should be a new one for each prescription.

LOCAL DISCUSSIONS ON N.P.U. REPORT

MEETINGS to discuss the National Pharmaceutical Union report on National Health Service negotiations (see *C. & D.*, May 22, pp. 662-63) have been held recently by N.P.U. branches and local chemists' associations in many parts of the country.

N.H.S. Approved—with a Proviso

Thames Valley Pharmacists' Association, on May 26, passed a resolution pledging wholehearted support for N.H.S. provided remuneration was as suggested in the report (some members had previously voiced fears that it might be less). There was general agreement (a) that other methods of payment ought to be considered, such as a basic annual establishment fee of not less than £250 per annum (to cover capital costs of installation) and (b) that all premises registered under the Pharmacy Acts should be eligible for purposes of the contract.

Slough and South Bucks Branch, on May 21, approved the "efforts that were being made to secure assurance on main principles affecting pharmacists." Members from semi-rural areas held that

a rota service was unnecessary where pharmacists lived above their shops and were on call for urgent prescriptions. An 80 per cent. vote was given in favour of trying out the "flat-rate" scale for one to three years and then reviewing the position, but opinion was unanimous that the suggested scale was the lowest acceptable. It would cause hardship to chemists with high overhead costs or good-class private dispensing connections, though the meeting was against pressing for a higher scale, as that might unduly encourage the establishment of health centres. Members urged that Tariff prices should include oncost on appliances as well as on drugs, and that prescriptions for which special fees were payable should include eye-drops prepared aseptically. Other extemporaneous preparations requiring special manipulation by reason of quantity or other factors should also qualify for a special fee, to be claimed by a note attached to the script. There was some objection to putting on the contractors the onus of sorting scripts into two groups, but a vote on the subject gave a 63 per cent. majority for accepting the responsibility.



PICTURES

Top of page: Semi-jubilee year of Dundee and East and Central Scottish Branch of the Pharmaceutical Society was celebrated with a dinner (see C. & D., April 10, p. 455). Left: Mr. J. A. Dale (second from left) presents grandfather clock to Mr. R. A. Hackney (second from right) on latter's retirement from secretaryship of North Staffs Branch of the Pharmaceutical Society. Also in picture are Messrs. H. E. Denby (assistant secretary), W. F. Redfern, T. G. Lawley (president of the branch) and S. J. Mott (treasurer).



Third picture down: Seven employees with 25 years' service with Scholl Mfg. Co., Ltd., London, photographed with managing director after receiving presentations. At foot: Pharmaceutical Society's president (Mrs. J. K. Irvine) received as guest of honour by chairman of Plymouth Branch (see p. 719).

P.D.A. EXAMINERS IN EIRE.—Examiners in the Photographic Dealers' Association examinations held recently in Dublin photographed with members of the Dublin branch of the Association while on a visit to Glendalough. Left to right: Messrs. P. A. Brady (treasurer, Irish Branch, P.D.A., and president of the Pharmaceutical Society of Ireland); B. A. Macfarlane (chairman, educational committee, P.D.A.); R. C. McKechnie (a member of the P.D.A. Council); J. J. Roche (chairman, Irish Branch, P.D.A., and president of the Irish Drug Association); and Lyall G. Smith (secretary, Irish Branch, P.D.A., and a member of the National Council).



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An Appeal to the Chancellor

THE statements quoted below, made by the Chancellor of the Exchequer on the subject of purchase tax on drugs and medicines, clearly indicate that he has not been prepared to accept the representations that have been made for the entire removal of the tax from these products.

On November 26, 1947, in reply to a question in the House, Sir Stafford said that he was "prepared to admit that its present basis [i.e., of the list of exempted "essential and costly" drugs] seemed to be wholly illogical" and that "there should be a re-examination of the question with a view to excluding those drugs of real importance and which made the tax unfair . . . the tax primarily affected 'patent' medicines, the stamp duty on which was withdrawn during the war and the purchase tax substituted. The receipts from the tax were, therefore, nothing but a substitution for the old stamp duty."

In the course of his Budget speech on April 6 the Chancellor said "I am now working out with my friend the Minister of Health proposals for widening the scope of the present exemption for essential medicines. Hitherto, the exempt list has been restricted to certain more costly preparations; but we propose to extend it to include a much wider range of non-proprietary articles. A provision with this object will be included in the Finance Bill and a Resolution is being tabled for this purpose."

The extended list of tax free "essential and costly" drugs which Sir Stafford re-

flected to in November last was issued early in the present year (*C. & D.*, February 7, p. 176), and we understand further exemptions may be notified from time to time. In giving effect to his April promise to table a Resolution widening the scope of exemptions to include "essential non-proprietary" medicines, the Chancellor seems to have stopped far short of his intention, for the provisions of Clause 21 and the Eighth Schedule to the Finance Bill No. 2 continue the tax on an important range of standard (official or officinal) medicines that, it is true, bear makers' brand names, but which are far removed from "patent" medicines.

The result has caused consternation throughout the pharmaceutical industry, and steps have been taken to bring to the urgent notice of the Chancellor the harmful and unsettling effect his proposals are having on the industry. Under the ægis of the Wholesale Drug Trade Association (now The Association of British Pharmaceutical Industry), a proposal has been submitted to the Chancellor which would admit as tax-free any medical preparations marked with the maker's or supplier's brand, provided they complied in all other respects with the provisions of Clause 21 and Schedule 8 of the Finance Bill. The amendment asked for by the industry would do no more than give effect to the statements made by the Chancellor quoted above.

House brands of pharmaceutical manufacturers represent the standard of quality of the materials used, the efficiency and strict control of production under hygienic conditions and the high grade (often higher than statutory requirements) of the finished preparations. The quality and reputation of British medical preparations is, in fact, identified at home and particularly in overseas markets by the maker's brand mark. It is, of course, essential that exports should not only be maintained but wherever possible increased, and that can only be achieved by sustaining the goodwill of the branded product. Unfortunately, the maker is now faced with the choice of two evils. Either he must continue to use his brand in the home market and submit his products to the tax, or he must produce a separate "plain" unidentified

preparation to go free of tax, while continuing to export the branded article.

Duplication of labelling and marketing policy is costly, wasteful and contrary to the public interest. New equipment and machinery and, in the cases of tablets, new dies, if available, must be purchased and their installation would call for additional works space and more employees. It would necessitate two production runs—one for home and the other for export.

We do not think this outcome was really in the mind of the Chancellor when he gave his undertaking. The difficulty is one that undoubtedly presents problems of draughtsmanship to those called upon to embody his proposals in legislation. Nevertheless we are confident that the obstacles can be overcome and we urge the Chancellor, now that the matter has been brought to his attention, to take steps to remedy the position.

Price Freezing and How It Works

WHEN the text of the Miscellaneous Goods (Maximum Prices) Order, 1948 was first published (see *C. & D.*, February 28, p. 273), there was criticism because it failed adequately to provide for (1) the introduction of new types of goods; (2) the trade practice of giving quantity discounts and allowances; and (3) the pricing of seasonal goods not sold during the "basic period" which had been chosen as a yardstick for future prices. To meet such criticisms, the order was revoked, and the President of the Board of Trade later replaced it with the Miscellaneous Goods (Maximum Prices) (Amendment) Order, 1948 (S.I., 1948, No. 776; H.M. Stationery Office, price fivepence) which came into operation on May 3. The new Order fixes manufacturers', importers', wholesalers' and retailers' maximum prices for a variety of goods including cameras and other photographic goods (except roll films); combs for personal use or for animals; toilet requisites and accessories (except hot-water bottles); perfumery, medicated or un-medicated toilet preparations (except soap).

The retailers' price (exclusive of purchase tax) is fixed at the price paid to the manufacturer, wholesaler or importer, and the amount of any quantity allowance

made when the goods were sold to him, plus whichever of the following is the lower:—(i) A percentage laid down in a schedule to the Order (usually 50 per cent. for chemists' goods); or (2) the percentage obtained by the retailer in the last period of two months between February and December, 1947, during which he sold such goods. The figure on which the retailer's margin is calculated is thus the "smallest-quantity price." He may, without reducing the retail price to an equivalent extent, continue to take any quantity discount he was taking during the basic period. The retail prices of price-maintained goods thus remain uniform whether or not they were bought on quantity terms.

The price to be charged by a manufacturer, or by a wholesaler acting as a sole distributor, is fixed at the lowest price charged by him to the same class of customer for the smallest quantity of similar articles during the basic period (December 1947, and January 1948, or, for seasonal goods not sold during those two months, the last period of two months from February to November 1947, during which they were being sold). If such sales did not take place during the basic period (e.g. when a new line is introduced) the price must be, for a manufacturer, his costs of production and sale (on a sale to a sole distributor, his costs of production only) plus 5 per cent.; and, for a sole distributor, his costs of sale plus 5 per cent.

For imported goods, the importer's or wholesaler's price is fixed at the landed cost and a specified percentage, which varies with the class of goods. For other goods the maximum price for a wholesaler (other than a sole distributor) is fixed at the purchase price paid to the manufacturer or sole distributor, the amount of any quantity allowance made on the sale of the goods to him, and whichever of the following is the lower:—(i) A specified percentage, laid down in a schedule to the Order; or (2) the percentage he was adding in the basic period. In calculating costs of production, etc., direct or indirect increases in wages agreed after February 4 must not be taken into account. The Order does not affect goods that are second-hand, purchased for a Government Department, or used in manufacture.

W.D.T.A. Becomes A.B.P.I.

In 1891 a comparatively few firms in the drug trade formed The Drug Club; we believe membership was in the region of thirty. The organisation continued its activities and served a most useful purpose up to 1929, when it became the foundation on which the Wholesale Drug Trade Association was established. Now, to meet the changed and still changing conditions, particularly in connection with the forthcoming National Health Service, the Association, with its 148 manufacturing and wholesale members, has adopted a new title: The Association of British Pharmaceutical Industry. Officers, officials and headquarters continue as hitherto, but the "objects" of the association have been extended in some directions, chiefly to enable the association to take an active part in protecting the interests of the public where drugs and medicines and their distribution are concerned, and to co-operate with Government departments and industrial trade and scientific bodies.

It is generally accepted that manufacturers of pharmaceuticals cannot so efficiently distribute to the retail trade as do the wholesalers; hence the close co-operation that has always existed between the two sections of the industry. In this connection it is reassuring that at the Press conference at which the change of title was announced, the further statement was made that most members of the A.B.P.I. had reported that they anticipated no difficulty in meeting the extra demands for pharmaceuticals expected to follow the introduction of N.H.S. in July.

In wishing the Association of British Pharmaceutical Industry (we must admit we are not enamoured with the title) a long and useful life in the service of its members and the public, we put on record the sound and progressive work of the W.D.T.A. during the past twenty years.

Overseas Trade in April

THE April trade returns published by the Board of Trade (H.M. Stationery Office, price 4s. 6d.) provisionally estimate the volume of exports, allowing for price changes since 1938, at 138 per cent. of 1938, compared with 129 in March and

126 in the first quarter of the year. In terms of value, the aggregate of exports rose on the previous month by £5,400,000 to £126,400,000, but imports experienced an even greater rise—from £178,200,000 to £186,000,000—and the April value of landings exceeded the previous record total of January 1920 by £2,800,000. The persistent increase in the value of imports is due to higher costs and does not indicate a greater volume of goods.

In the "Chemicals" group, exports in April were at the peak level of £6,902,785, compared with £6,653,683 in the previous month. Of the April total, drugs and medicines contributed £1,179,633 (March, £1,226,041) and the share of proprietary medicines exports was £382,479 (£351,100) which was a continued recovery from the setback earlier in the year. Shipments of quinine in April were again rather disappointing with their total at 92,752 oz. and valued at £19,747. The March rise in aspirin exports was maintained, however, and the quantity exceeded 142,000 lb. with a value of £45,856. An improvement was also shown in insulin exports which reached a total of 738,569,000 international units valued at £26,595. Penicillin exports were a little less than the previous month and brought in £179,152. Exports of ointments and liniments were valued at £48,809. South Africa, Egypt, Australia, New Zealand and British West Africa featured as principal customers for medicinal products and India with Pakistan was well down the list compared with the former position of the sub-continent.

Perfumery and toilet preparations (excluding perfumed spirits, essential oils and soap) exported totalled £226,410, of which tooth-pastes and other dental preparations, mouth washes, etc., accounted for £49,754, and cosmetics, £69,285. Principal buyers were British Malaya, South Africa, British West Africa, and Egypt. Indian and Pakistan purchases were again very small. Exports of perfumed spirits were valued at £73,620. The substantial total of £59,216 is recorded for essential oil exports compared with £14,340 in March and a further increase is recorded in the April shipments of toilet soap, which were valued at £79,501.

B.P. CHANGES AT A GLANCE

(Continued from THE CHEMIST AND DRUGGIST, May 29, p. 696)

Carbacholum.—Monograph of Addendum III rearranged. M.W. 182.7 (182.6) Purity, 99.5 per cent. dried at 100° (instead of 110°). Assay factor 0.01827 (0.01826). "Sterilisation" paragraph omitted. Preparation: *Injectio Carbacholi.*

Carbarsonum.—Structural formula of Carbarsone, *p*-carbamidophenylarsonic acid. M.W. 260.1. Contains 28.1 to 28.8 per cent. As. Description: White powder; almost odourless; taste, slightly acid. Solubility: Slightly in water and in alcohol; nearly soluble in chloroform and in solvent ether; soluble in solutions of alkali hydroxides and carbonates. Identification: A, Ammonia is evolved on boiling 0.4 gm. dissolved in 5 mils of solution of sodium hydroxide. B, Dissolve 1.0 gm. in 10 mils solution of sodium hydroxide and 10 mils water, add 2 gm. sodium hydrosulphite; a light yellow precipitate is produced, insoluble in excess of solution of sodium hydroxide. C, Depends on yellow precipitate with hydrogen sulphide of arsenic in assay solution. M.P. About 190° with decomposition. Reaction: A saturated solution in water is acid to litmus solution. Arsenate: No precipitate forms in the cold on adding solution of magnesium ammonio-sulphate to 0.5 gm. dissolved in 2 mils diluted solution of ammonia. Loss on drying at 100°, not more than 1.5 per cent. Assay as under "Tryparsamide." Storage: in well-closed container. Dose, 2 to 3 gr.

CARBONEI DIOXIDUM.—Monograph, with tests as modified by Addendum I, rearranged. M.W. 44.01 (44.00).

CARBONEI TETRACHLORIDUM.—Tests for chloride and free acid modified: Shake 20 mils with 20 mils freshly boiled and cooled water for three minutes and allow separation to take place; the aqueous layer complies with the following tests: Chloride: To 10 mils add one drop nitric acid and 0.2 mil solution of silver nitrate; no opalescence is produced. Free acid: To 10 mils add a few drops of solution of bromocresol purple; colour indicates no more acidity than that of indicator added to 10 mils freshly boiled and cooled water. Non-volatile matter: Not more than 0.002 per cent.

CARDAMOMI FRUCTUS.—Title denotes that seeds separated from fruit are no longer official, and synonyms (Carda-

momi Semina and Cardamom See are omitted. Description rearranged with microscopical characters in extended detail. Acid-insoluble ash (seeds), not more than 3.5 per cent. Ash (of seeds), not more than 6 per cent. Foreign organic matter: Fru not more than 1.0 per cent.; separa seeds, not more than 3.0 per cent. Volatile oil (in seeds), not less than 4 per cent. v/w. Preparations (of seed Tinctura Cardamomi Composita. Cardamom seed is an ingredient of: Extractum Colocynthidis Compositum Pulvis Cretæ Aromaticus; Pulvis Cretæ Aromaticus cum Opio; Tinctura Gentianæ Composita; Tinctura Rhizomatis Composita. In making preparations Cardamon, the seed only is used. The seed is removed from the fruit, immediately powdered or bruised, as directed in the monograph, and used immediately in making the preparation. Cardamom seed, after removal from fruit should not be stored. Doses, omitted

CARUM.—Microscopical features in extended detail. Volatile oil, not less than 3.5 per cent. (new). (Ash limit 9 per cent., dropped). Storage: Caraway should be stored in a cool dry place (added). Doses omitted.

Carui Pulvis.—Description: Fawn to brown. Diagnostic structures: Epidermal cells of pericarp with striated cuticle; fragments of brown endothelium of vittæ; parenchymatous cells of the mesocarp without reticulate thickening; rectangular finely-pitted sclereids of the mesocarp; thick-walled polygonal parenchymatous cells of the endosperr containing much fixed oil, numerous small aleurone grains containing micro-rosette crystals of calcium oxalate; trichomes, starch and parquetry layer absent. Volatile oil, not less than 2 per cent. v/w. Storage, in a well closed container, which prevents the loss of volatile oil, and stored in a cool place. Preparation: *Tinctura Cardamomi Composita.*

CARYOPHYLLUM.—Monograph rearranged. Clove consists of the dried flower-bud of *Eugenia Caryophyllus* (Spreng.) Sprague (in place of *Eugenia aromatica* (Linn.) Baill. Macroscopical and microscopical characters given in greater detail. Ash, not more than 7 per cent. (instead of 10 per cent.) Acid-insoluble ash limit, 1.0 per cent. (0.75 per cent.).

Volatile oil, not less than 15 per cent. (new). Storage, in a cool dry place (added). Doses, omitted.

YOPHYLLI PULVIS. — Description: Brown. Diagnostic structures: Epidermal cells of the hypanthium and calyx, with thick straight walls and very thick cuticle; stomata large, of the ranunculus type; aerenchyma, from the hypanthium; fragments of the oil-glands; pericyclic fibres, up to 40 microns in diameter and 650 microns in length; small spiral and annular vessels up to 20 microns in width; fragments of the petals showing straight-walled epidermal cells without papillæ, containing numerous crystals of calcium oxalate from 5—10 to 15—25 microns in diameter and oil glands; fibrous tissue from the anther walls; pollen grains (in solution of chloral hydrate) triangular in outline, tricolporate, 10 to 20 microns in diameter; sometimes small numbers of sclereids, and prisms of calcium oxalate derived from the stalk. Starch, absent. Volatile oil, not less than 14 per cent. Storage, in a well closed container, which prevents the loss of volatile oil, and stored in a cool place. Preparations: Powdered clove is an ingredient of Pulvis Cretæ Aromaticus and Pulv. Cret. Aromat. cum Opio.

CASCARA SAGRADA. — Monograph rearranged. Characters, macroscopical and microscopical, given in extended detail. Identification (added): Moisten 0.2 gm., in powder, with 1 mil of alcohol (95 per cent.), add 10 mils water and shake for fifteen minutes, boil, cool, and filter. Shake the filtrate with 10 mils solvent ether; a yellow ethereal solution separates on standing. Shake 3 mils of the ethereal solution with 3 mils of dilute solution of ammonia, and to the separated aqueous liquid add 20 mils water; the mixture retains a characteristic yellowish-red colour (distinction from frangula bark). Foreign organic matter, not more than 1.0 per cent. (instead of 2 per cent.). Ash limit, 6 per cent. (same). Water-soluble extractive (new): not less than 23.0 per cent. Doses omitted.

CASCARA SAGRADA PULVIS. — Description: Light yellowish brown to olive brown. Diagnostic structures: Bundles up to about 30 phloem fibres, surrounded by an imperfect crystal sheath, individual fibres being about 8 to 15 microns in width; ovoid groups of sclereids accompanied by a few prisms of calcium oxalate in the sheaths; cluster crystals

of calcium oxalate in the general parenchyma, up to about 10 to 25, rarely up to 45 microns in diameter; starch grains, moderately numerous, about 6 microns in diameter, trichomes, when present, up to 200 microns long. Other structures present include: Abundant fragments of phloem tissue traversed at right angles by medullary rays; occasional fragments of cork. The yellow colouring matter is changed to crimson by solution of sodium hydroxide. To comply with requirements under "Cascara Sagrada." Preparations: Elixir Cascarae Sagradæ; Extractum Cascarae Sagradæ Liquidum; Extractum Cascarae Sagradæ Siccum.

[*Cassia*. Omitted with *Confectio Sennæ*.] **CATAPLASMA KAOLINA.** — Unchanged, permission in the Fourth Addendum to use sodium lactate in place of glycerin being withdrawn.

CATECHU. — Monograph rearranged. Identity test; green colour on shaking 1 gm. with 5 mils of warm chloroform, omitted. Test for purity, no decided precipitation on added excess of solution of calcium hydroxide to a fresh aqueous solution of catechu, deleted. Loss on drying at 100°, not more than 12 per cent. (instead of 10 per cent.). Doses omitted.

CATECHU PULVIS. — Description: Pale brown. When mounted in lactophenol and examined under a microscope is seen to consist of minute acicular crystals. Ash, not more than 8.0 per cent. (same).

CERA ALBA. — Monograph rearranged. M.P. 62° to 64°. Refractive index, at 80°, 1.4380 to 1.4420. Other requirements as "Cera Flava."

CERA EMULSIFICANS. — Emulsifying Wax contains cetostearyl alcohol and sodium lauryl sulphate or similar sodium salts of higher primary aliphatic alcohols. A suitable preparation may be obtained by the following process: Cetostearyl Alcohol, 90 gm.; Sodium Lauryl Sulphate, 10 gm.; Distilled water, 4 mils. Melt the cetostearyl alcohol and heat to about 95°; add the sodium lauryl sulphate, mix, add the distilled water and heat to 115°. Continue the heating at 115°, stirring vigorously, until frothing ceases and the product is translucent. Cool quickly. Description: An almost white, or pale yellow, waxy solid, becoming plastic when warm; odour, faint and characteristic. Almost insoluble in water, forming an emulsion; partially soluble in alcohol (95%). Acid value, not greater than 0.1. Iodine value

(iodine monochloride method), not more than 3. Saponification value, not greater than 1. Unsaponifiable matter, 88.0 to 92.0 per cent., with M.P. not below 43° and acetyl value, 170 to 185. Initial boiling point, not lower than 300°. Alkalinity, 5 gm. dispersed in 25 mils warm (95%) alcohol previously neutralised to phenolphthalein, gives no colour on adding 0.5 mil solution of phenolphthalein. Preparations: Unguentum Emulsificans; Unguentum Emulsificans Aquosum. An ingredient of Cremor Penicillini and Cremor Penicillini Sterilisatus.

CERA FLAVA.—Monograph rearranged with requirements unchanged.

Chiniofonum.—Monograph of First Addendum rearranged, with the following modifications: Lower limit of iodine, 27.5 per cent. (instead of 28.2 per cent.): Assay factor, 1.0002115 (0.002116): Assay factor, NaHCO_3 , 0.004201 (0.0042).

CHLORALIS HYDRAS.—Monograph rearranged and modified as follows:—Reaction: A 10 per cent. w/v solution in water is not more acid than *pH* 4.0.

Complies, on 3 gm., with limit test for chlorides. Assay, extended: Dissolve about 4 gm., accurately weighed, in 10 mils water, and add 30 mils N/1 sodium hydroxide. Allow the mixture to stand for two minutes, and titrate with N/1 sulphuric acid, using solution of phenolphthalein as indicator. Titrate the neutralised liquid with N/10 silver nitrate using solution of potassium chromate as indicator. To the amount of N/1 sulphuric acid used in the first titration add two-fifteenths of the amount of N/10 silver nitrate used in second titration and deduct figure so obtained from that of N/1 sodium hydroxide added. Each mil of N/1 sodium hydroxide represented by the difference is equivalent to 0.1654 gm. of $\text{C}_2\text{H}_3\text{O}_2\text{Cl}_3$. Maximum dose, 30 gr. (instead of 20 gr.). Sulphuric acid test for organic impurities is deleted from the monograph.

CHLORAMINA.—Monograph rearranged, with graphic formula added. M.W. 281.7 (281.6). Limit test for carbonisable impurities omitted. Assay factor, 0.01409 (0.01408).

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on May 21, the President (Mr. John McGregor) in the Chair. Also present were Messrs. H. H. Cowzer (vice-president), P. R. W. Shinner (treasurer), Walter C. Tate, W. H. Boyd, J. Irwin, H. W. Gamble and H. F. Moore, Professor E. B. C. Mayrs, and Mr. William Gorman (secretary). Apologies for absence were received from Messrs. C. Abernethy, J. McDowell, H. P. Crossin and W. P. Ewart.

THE PRESIDENT expressed pleasure at the news that Mr. McDowell and Mr. Crossin were making good recoveries from their illnesses.

A letter was received from the Ministry of Labour in answer to an inquiry from the Society about the liability of chemist employers to pay National Insurance contributions to cover pharmaceutical apprentices undergoing full-time day courses of study during their fourth year of apprenticeship. The letter stated that the Acts provide that where no services were rendered by an employed person during any contribution week and no remuneration was paid wholly or partly in respect of

any day in that week, then that employment should be disregarded. Thus employers were not under any liability for the payment of contributions for any weeks during which apprentices rendered no services and were not in receipt of remuneration in money or in kind (e.g. free quarters, etc.). If remuneration was provided to any extent, liability for contributions continued in the ordinary way.

New Member Co-opted

Mr. Sydne E. Campbell, Londonderry (see p. 723), was co-opted to the Council to fill the vacancy caused by the death of Mr. J. Glendinning (a former president of the Society). Mr. H. F. Moore, moving the co-option, said the vacant seat on the Council had always been regarded as one for a Londonderry chemist. It had first been held by Mr. John Maxwell, who had been succeeded by Mr. Glendinning, so that there had been a Londonderry representative since the inception of the Society. Mr. Campbell, he added, was highly esteemed by all his colleagues in Londonderry. Mr. W. H. Boyd seconded, and the motion was agreed unanimously by the Council.

MISCELLANEOUS INQUIRIES

Ether Soap on Prescription.—*K. R.*—Ether soap is regarded by the Ministry of Food as a medicinal soap; it may therefore be supplied, on prescription, without the surrender of soap coupons.

Chemical Smoke.—*R. S.*—A product used by the Germans during the 1939-45 war for making chemical smokes, and called Nebelsäure, was composed of approximately 50 per cent. sulphur trioxide and 50 per cent. chlorosulphonic acid.

Aluminium Polish.—*P. B.*—An aluminium polish may be made to the following formula:—

| | | | | | |
|----------------|-----|-----|-----|-----|----|
| Stearic acid | ... | ... | ... | ... | 10 |
| Fuller's earth | ... | ... | ... | ... | 10 |
| Tripoli | ... | ... | ... | ... | 60 |

Pot Pourri.—*E. R.*—Pot pourri and lavender flowers, with added perfume, are each regarded as toilet preparations and are subject to Toilet Preparations Orders. Pot pourri is included in purchase tax Group 32 (a) and carries tax at the rate of 100 per cent.

Sun Screens.—*W. C. W.*—Substances that may be incorporated in sun-tan preparations to filter out some of the harmful rays of the sun include: *Water-soluble*: Quinine bisulphate, sodium naphthol-6: disulphonate; *oil-soluble*: Menthyl salicylate, menthyl anthranilate, *p*-hydroxynaphthoic acid and *b*-methyl umbelliferone.

Eau de Portugal.—*S. & S.*—The following is a formula for Eau de Portugal:—

| | | | | | |
|---------------------|-----|-----|-----|----|---------|
| Oil of lemon | ... | ... | ... | 4½ | dr. |
| Oil of bergamot | ... | ... | ... | 2 | dr. |
| Oil of sweet orange | ... | ... | ... | 1 | dr. |
| Otto of rose | ... | ... | ... | ½ | dr. |
| Alcohol | ... | ... | ... | 40 | fl. oz. |

Paint-Removing Preparations.—*S. M.*—Two formulas for paint-removing preparations, containing no sugar soap or caustic soda, are given below:—

I

| | | | | | |
|-------------------|-----|-----|-----|----|-------|
| Paraffin wax | ... | ... | ... | 1½ | lb. |
| Resin | ... | ... | ... | 1½ | lb. |
| Acetone | ... | ... | ... | 2 | pints |
| Amyl acetate | ... | ... | ... | 4 | oz. |
| Carbon disulphide | ... | ... | ... | 1 | pint |
| Mineral naphtha | ... | ... | ... | 1 | gall. |
| Methylated spirit | ... | ... | ... | 1 | gall. |

Melt the wax, stir in the naphtha gradually. Dissolve the resin in the methylated spirit and add the other ingredients. Mix the two solutions. Apply by spreading thinly over the old paint. After a few minutes make a second application and remove the softened paint with a blunt spatula.

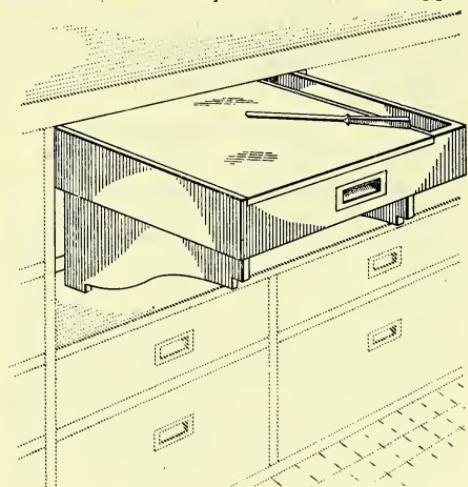
II

| | | | | | |
|---------|-----|-----|-----|-----|----|
| Acetone | ... | ... | ... | ... | 20 |
| Benzene | ... | ... | ... | ... | 80 |

Fire-damp.—*G. K. K.*—Fire-damp is the coal-miners' term for methane. When present in air to an amount of 5 to 15 per cent., it forms an explosive mixture. If a higher percentage of the gas is present, the mixture burns, on ignition, without explosion. Being less dense than air, methane is especially liable to be found in holes in the "roof" of mine workings, etc.; it does not support life, and there is thus the additional danger of suffocation.

AN OINTMENT-SLAB DRAWER

THE ointment-mixing unit illustrated below has the advantage that when not required for use it may be easily pushed away under the bench, leaving the counter top unimpeded. A porcelain slab is fitted to lie exactly flush with the upper



surface of a top drawer. A section of the drawer left uncovered on the right is divided off to act as a convenient storage place for spatulas. The drawer is held rigid, even when considerable pressure is applied to the slab, by two wooden flaps hinged to the bottom surface of the drawer. When not in use the flaps fold up under the base of the drawer.

P.A.S. IN TUBERCULOSIS

PRELIMINARY trials of para-aminosalicylic acid on six cases of pulmonary tuberculosis at the Colindale Hospital, London, are the subject of favourable reports by Erdei and Snell ("Lancet," May 22, p. 701). The most striking first effect of the drug, they state, was the improvement in the patients' general condition. The P.A.S. appeared to reduce the average level and the swing of temperature, while the organisms in the sputum decreased in number, took on a granular appearance, and tended to clump. No toxic reactions were observed from the administration. The authors suggest that toxic symptoms reported by other workers may have been caused by impurities. They advise that different brands of the compound should be regarded as different drugs on account of the varying bacteriostatic properties they possess.

CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor.

Election Candidates' Thanks

SIR.—May I ask for the courtesy of your columns to express my sincere thanks to those members of the Pharmaceutical Society who supported my candidature at the recent Council election. I shall endeavour to merit this expression of renewed confidence.

Yours faithfully,

Richmond, Surrey. W. S. HOWELLS.

A Caveat from New York

SIR.—It may be of interest to you to know that the chemist and druggist qualification is not acceptable here [in New York]. The course for the registered pharmacist here is a four-year full-time college course, and to secure U.S.A. qualification it would be necessary for me to do a further two to three years' full-time study—rather a grim prospect. It may help other inquirers you may have to know that employment as a pharmacist, registered or unregistered, is very difficult to obtain here. There seems to be quite a surplus of labour in many fields—one's only hope is to become a nurse or a stenographer!

Yours faithfully,
New York. EVELYN G. MAXEY.

Musk, Genuine and Synthetic

SIR.—Your correspondent Mr. James B. Doran, South Africa, who writes on "Musk on Prescription" recalls to me an incident during my career in Western Australia. A trapper of wild animals, who had practised his art in North America, Northern India and Africa, came into my pharmacy and asked for "genuine musk," to be mixed with Russian tallow. The paste was to be used for baiting traps, and the trapper emphasised "genuine." After a great deal of difficulty I managed to obtain a supply from one of our wholesale chemists. It was a costly item. Many months later the trapper returned. He demanded his money back, plus heavy compensation for loss of time and trade. The musk supplied, although labelled genuine, was, in fact, synthetic. The animals knew—no artificial baits for them! The suppliers paid up and apologised for "an unfortunate error in failing to state that synthetic musk had been provided."

Yours faithfully,
Chilwell, Notts. R. G. DAVIS JOHNS.

Remuneration Under N.H.S.

SIR.—The information supplied by the report of the Working Party on dispensing practice (*C. & D.*, April 17, p. 503) will no doubt be used in deciding the remuneration of contractors. The report suggests that "piece-work" payment for services, which is repugnant to many professional workers, is to be perpetuated. An hourly basis would prove more suitable. I submit that a pharmacist's professional service is worth ten shillings an hour. My experience in pharmacy convinces me that five hours a day of intensive pharmaceutical practice is as much as can be asked of anyone. The report tacitly supports this view. Assuming that, under the new service, a pharmacy remains open for eight hours each day, then five hours may be spent in pharmacy and three in "commercial" duties. The latter services would be paid for at a lower rate. A pharmacist's weekly payment would be:—

| | |
|----------------------------|----------|
| 25 hours @ 10s. per hour = | £12 10s. |
| 15 hours @ 2s. per hour = | £1 10s. |
| <hr/> | |
| | £14 0s. |

A contractor would require a further payment representing interest on capital invested in drugs and appliances retained on the premises for N.H.S. purposes, plus an agreed payment for overhead expenses, capital depreciation, etc.

Yours faithfully,
TRACTATE.

London Pharmaceutical Committee

SIR.—May I draw the attention of all employee members of the Pharmaceutical Society who are eligible to vote in the election of members to the Pharmaceutical Committee for the County of London Area that Mr. G. H. Armitage, when a member of the Joint Committee on a National Pharmaceutical Service, championed direct representation of employee pharmacists on Pharmaceutical Committees. He raised the matter at the meeting of that body with the Minister of Health, who promised consideration of the point when the N.H.S. regulations were being framed. Mr. Armitage was also a member of the liaison committee with the British Medical Association, and in that capacity came into

contact with problems arising out of the new Service. Finally, his efforts through the North London Branch and Association to secure this recognition of employees' claims merit consideration of his candidature in the forthcoming election. To those of us who, during the past four years, had the privilege of working with him in a cause which received far less support than it deserved, "our George" was always the Bulldog Drummond of pharmaceutical politics: it is safe to assume that, if he receives the backing of the electorate, he will run true to form!

Yours faithfully,
Barnet. LEONARD V. MELHUISH
(formerly secretary, National
Pharmaceutical Employees' Union)

Warning to Trade Buyers

SIR,—The Ministry of Supply has recently notified the Pharmaceutical and Allied Chemicals Disposals Association, Ltd., of its intention to terminate an agreement covering methods for disposal of Government surplus stores of pharmaceutical products. One of the fundamental principles for which P.A.C.D.A.L. was formed was the safeguarding of the public generally against dangerous or useless medicinal products being unethically or indiscriminately circulated. There will thus now be no adequate safeguard. In future, the Ministry of Supply will be offering surplus stores on open tender. It will decline any responsibility for the condition of the goods, and will make this the sole responsibility of the buyer, whoever he may be. Most of the goods offered will bear the names of reputable manufacturing houses. Consequently, some buyers may consider purchasing lines they would otherwise not touch. Many of the items offered are now several years old, and little is known of the conditions of storage, etc.; age alone will render some products useless or even dangerous. The companies listed below wish to bring these facts to the notice of potential buyers, and to make it clear that the appearance of their name against any items must in no way be taken to imply any guarantee or indication of the suitability of the products for any purpose whatever.

Allen & Hanburys, Ltd. The General Chemical & Boots Pure Drug Co., Pharmaceutical Co., Ltd. Ltd.
The British Drug Houses, C. R. Harker, Stagg & Morgan, Ltd.

Burroughs Wellcome & Johnson & Sons Mfg. Co. Chemists, Ltd.
W. J. Bush & Co., Ltd. May & Baker, Ltd.
Co-operative Wholesale Roche Products, Ltd.
Society, Ltd. Savory & Moore, Ltd.
Duncan, Flockhart & Co. Sharp & Dohme, Ltd.
Evans Medical Supplies, Wright, Layman & Um-
ney, Ltd.

Yours faithfully,
J. DAVIDSON PRATT, *secretary*,
Association of British Chemical
London W.1. Manufacturers.

NEW BOOKS

Small Trader Year Book.—A 300-page paper-covered Small Trader Year Book is published by Ludgate Press, Ltd., 146 Fleet Street, London, E.C.4. It includes lists of early closing days and populations, income and wages tables, articles on selling methods, taxation, law, debt collection, etc. The price is 10s. 6d.

Epitome of the U.S. Pharmacopœia and National Formulary.—6½ in. x 4 in., Pp. 238. 15s. J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2. The eighth edition of this useful little handbook, issued under the direction and supervision of the Council on Pharmacy and Chemistry of the American Medical Association, deals with U. S. P. XIII and N. F. VIII. It gives title, synonyms, brief definitions, summary of physical properties, actions, uses, dosage. The book is stoutly bound for hard use, fully indexed, and includes tables of metric-apothecaries and centigrade - fahrenheit equivalents.

British Journal Photographic Almanac.—Editor, Arthur J. Dalladay, A.Inst.P. 7½ in. x 4½ in. Pp. 492, with 32-p. photogravure supplement. Cloth, 6s. Paper board, 5s. Henry Greenwood & Co., Ltd., 24 Wellington Street, London, W.C.2. A feature, "Epitome of Progress" (pp. 137-159) aptly describes the whole work. There is the usual editorial review of new materials and apparatus, formulas and instructions (especially, this year, for sub-standard cine photography, colour photography and document copying). Titles of contributed articles include "Film Strip: Its Applications, Production and Presentation"; "Use and Advantages of Visual Filters" and "British Photographic Standards" (among many others). The illustrations are pictorially of the high standard and varied subject that have come to be associated with this standard and indispensable textbook-cum-directory.

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints (for pasting on cards for index systems) are available to subscribers on application.

ERPA LIVER EXTRACT (INJECTION).

MANUFACTURER: Hirst, Brooke & Hirst, Ltd., Sheescar Works, Leeds, 7.

DESCRIPTION: A whole liver extract each mil of which is equivalent to one kilo of fresh liver.

INDICATIONS: Pernicious and other types of macrocytic anaemia.

DOSAGE: In relapse, 4 mils intramuscularly, followed by weekly injections of 2 mils.

HOW SUPPLIED: Boxes of six or fifty 2-mil ampoules, and 10-mil rubber-capped vials.

NOTES: Erpa oral liver extract contains in each fluid ounce the extractive from 8 oz. fresh liver. Dosage is from one to four ounces daily.

ANTISTIN

MANUFACTURER: Ciba Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION: Compressed tablets containing 0.1 gm. 2-phenylbenzylaminomethyl imidazoline hydrochloride; or ampoules containing a sterilised aqueous solution of the methane sulphonate, 0.1 gm. in 2 mils.

INDICATIONS: Allergic conditions including hay fever, vasomotor rhinitis, urticaria, bronchial asthma, anaphylactic shock, and in penicillin and drug allergies.

DOSAGE: 1-6 tablets in twenty-four hours, preferably with meals. In acute conditions 1-2 mils of solution three times daily, by intramuscular or slow intravenous injection.

HOW SUPPLIED: Containers of 20, 50 or 500 tablets, and 3 and 6 ampoules.

T. S. R.

MANUFACTURER: Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2.

DESCRIPTION AND FORMULA: Compressed tablets containing:—

| | |
|--------------------------|-----------|
| Scopolamine hydrobromide | gr. 1/300 |
| Atropine sulphate | gr. 1/400 |
| Phenobarbitone | gr. 1/2 |

INDICATION: Travel sickness.

DOSAGE: One tablet half an hour before starting journey and another at the start, repeat in three to four hours if necessary. Not more than four tablets per day.

HOW SUPPLIED: Packings of ten and fifty tablets, individually sealed in cellulose film.

NOTES: Manufacturer warns that the dangers of idiosyncrasy to the constituents of the preparation, and of overdosage, should be borne in mind. Caution is particularly indicated in prescribing the preparation to pilots, car drivers, etc., on account of the drowsiness the product may cause.

PHYTODERMINE

MANUFACTURER: May & Baker, Ltd. Distributors: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex.

DESCRIPTION: (a) *Cream*: Phenylmercuric acetate, 0.167; terpineol, 1.0; and salicylic acid, 3; water-miscible ointment base to 100. (b) *Powder*: Methyl para-hydroxybenzoate, 5; salicylic acid, 5; perfumed talc to 100.

INDICATIONS: *Cream*: Treatment of fungous infections of the skin, particularly athlete's foot. *Powder*: Prevention of infection and of reinfection by fungi.

HOW SUPPLIED: *Cream*: 1-oz. screw-capped jars. *Powder*: 2-oz. aluminium sprinkler canister.

STOCK EXCHANGE PRICES

Quotations are the average for the day stated. New securities are shown in italics.

| £1 unit unless otherwise stated | Apl. 30 1948 | May 28 1948 | £1 unit unless otherwise stated | Apl. 30 1948 | May 28 1948 |
|--|-----------------|----------------|--|-----------------|----------------|
| | s. d. | s. d. | | s. d. | s. d. |
| <i>Albright & Wilson, ord., 5s.</i> ... | 30 6 | 31 3 | <i>Idris, "A" ord.</i> | 38 9 | 38 9 |
| <i>Allen & Hanburys, prefd. ord.</i> ... | 31 6 | 31 3 | <i>Ilford, ord. stock, 5s.</i> | 27 10½ | 28 1½ |
| 7% cum. | 31 6 | 31 3 | <i>Imperial Chemical Industries, ord.</i> ... | 49 6 | 48 9 |
| <i>Amber Chemical, ord., 2s.</i> ... | 10 6 | 10 6 | <i>Imperial Chemical Industries, 7%</i> cum. prefd. stock | 37 6 | 38 1½ |
| <i>Amber Chemical, 5% cum. pref.</i> ... | 25 0 | 25 0 | <i>International Sponge Importers, ord. stock, 5s.</i> | 7 0 | 6 9 |
| <i>Ascotts Pharmacies, ord. stock, 5s.</i> ... | 10 7½ | 10 7½ | <i>Kent, G. B., & Sons, 5% cum. ptsg. pref.</i> ... 12s. 6d. ... | 17 6 | 17 6 |
| <i>Aspro, ord. stock, 5s.</i> ... | 45 0 | 43 0 | <i>Kershaw, A., & Sons, ord. is.</i> ... | 2 4½ | 2 1½ |
| <i>Beecham Group, defd., 2s. 6d.</i> ... | 21 10½ | 21 3 | <i>Kleeman, O. & M., ord. stock, 1s.</i> ... | 31 3 | 27 6 |
| <i>Beecham Maclean Holdings 4% red. cum. pref.</i> | 21 3 | 21 3 | <i>Laporte Chemicals, ord. stock</i> ... | 21 3 | 20 7½ |
| <i>Boake, Roberts, ord., 5s.</i> ... | 32 6 | 32 6 | <i>Lever Brothers & Unilever, ord.</i> ... | 51 3 | 51 3 |
| <i>Boots (Eastern) "A" pfds. 6% cum.</i> ... | 32 0 | 31 0 | <i>Lewis & Burrows, ord. stock</i> ... | 30 0 | 30 0 |
| <i>Boots (Northern) "A" pfds. 6% cum.</i> ... | 32 0 | 31 6 | <i>Lewis & Peat, ord. is.</i> ... | 2 7½ | 2 7½ |
| <i>Boots (Western) "A" pfds. ord. (7% non-cum.)</i> | 37 9 | 37 3 | <i>Liebig's Extract of Meat, ord. £5</i> ... | 300 0 | 300 0 |
| <i>Boots Pure Drug, ord., 5s.</i> ... | 53 6 | 53 0 | <i>Macleans, 4% red. cum. pref.</i> ... | 20 0 | 20 0 |
| <i>Borax Consold., defd. ord. stock</i> ... | 61 3 | 62 6 | <i>Mellin's Food, 6% cum. pref.</i> ... | 10 0 | 10 0 |
| <i>British Alkaloids, ord., 1s.</i> ... | 12 6 | 12 0 | <i>Milton Antisepic, ord., 10s.</i> ... | 25 0 | 25 0 |
| <i>British Chemicals & Biologicals, 4% cum. red. pref.</i> | 22 0 | 22 0 | <i>Mono Containers, 5s.</i> ... | 17 6 | 17 6 |
| <i>British Drug Houses, ord., 5s.</i> ... | 11 6 | 10 0 | <i>Monsanto Chemicals, ord., 5s.</i> ... | 60 0 | 60 7½ |
| <i>British Emulsifiers, 2s.</i> | 1 6 | 1 6 | <i>Pears, A. & F., 5% deb. stock, irred.</i> | 135% | 135% |
| <i>British Glues & Chemic., ord., 4s.</i> ... | 23 0 | 22 0 | <i>Potter & Clarke, ord. is.</i> ... | 5 3 | 5 3 |
| <i>British Industrial Plastics, ord., 2s.</i> ... | 9 0 | 8 0 | <i>Reckitt & Sons, ord. stock</i> ... | 107 6 | 109 9 |
| <i>British Optical & Prec. Eng., 5%</i> ... | 98% | 98% | <i>Rolls Razor, prefd. ord., 10s.</i> ... | 26 3 | 26 3 |
| <i>British Oxygen Co., ord. stock</i> ... | 100 0 | 100 0 | <i>Sangers, ord. stock, 5s.</i> ... | 35 0 | 35 6 |
| <i>British Xylonite Co., ord. stock</i> ... | 130 0 | 120 0 | <i>"Sanitas" Trust, ord., 10s.</i> ... | 25 0 | 25 0 |
| <i>Burt, Boulton & Haywood, ord.</i> ... | 27 6 | 27 6 | <i>Savory & Moore, 5½% 1st red cum. pref. stock</i> | 24 0½ | 24 0½ |
| <i>Bush (W. J.), & Co., ord.</i> ... | 85 0 | 85 0 | <i>Sherley, A. F. & Co., 8% cum. prefd. ord.</i> | 25 7½ | 25 7½ |
| <i>Camwal, ord.</i> | 21 3 | 21 3 | <i>Smith & Nephew Associated Cos., ord., 4s.</i> | 19 0 | 18 6 |
| <i>Cooper, McD. & Robertson, ord.</i> ... | 38 9 | 40 7½ | <i>South African Druggists, ord. 5s.</i> ... | 31 6 | 26 10½ |
| <i>Cow, (P.B.) & Co., ord. stock, 4s.</i> ... | 19 10½ | 20 6 | <i>Southalls (Birmingham), stock, 5s.</i> ... | 41 10½ | 41 3 |
| <i>Cow & Gate, ord. stock, 1s.</i> ... | 3 6 | 3 6 | <i>Sternol, 8% cum. ptsg. prefd. ord., 10s.</i> ... | 15 0 | 15 0 |
| <i>Crosfield, J., & Sons, 5% cum. pre-pref.</i> | 26 3 | 26 3 | <i>Stevenson & Howell, ord. stock, 5s.</i> ... | 27 0 | 27 0 |
| <i>Cussons Sons & Co., ord. stock, 2s.</i> ... | 23 0 | 23 6 | <i>Taylor, Cash Chemists, London, 6% cum. pref.</i> | 28 9 | 28 1½ |
| <i>Distillers, ord. stock, 4s.</i> ... | 27 1½ | 28 3 | <i>Taylor, Cash Chemists, Trust, 6% cum. pref.</i> | 28 9 | 28 1½ |
| <i>Dubarry Perfumery Co., ord. is.</i> ... | 5 1½ | 4 10½ | <i>Taylor's Drug Co., 7% "A" cum. pref.</i> | 32 6 | 32 6 |
| <i>Dunlop Rubber Co., ord. stock</i> ... | 73 3 | 74 0 | <i>United Glass Bottle, ord. stock</i> ... | 75 0 | 73 9 |
| <i>Energen Foods Co., ord., 2s.</i> ... | 6 10½ | 7 9 | <i>Veno Drug Co., 12% cum. prefd. ord.</i> | 41 10½ | 42 6 |
| <i>Eno Proprietaries, 5½% cum. pref.</i> ... | 26 3 | 26 3 | <i>Virol, ord. stock, 5s.</i> | 75 0 | 75 0 |
| <i>Eucrel, stock, 2s.</i> | 6 3 | 6 3 | <i>Viscose Development Co., ord. stock, 5s.</i> | 11 3 | 11 3 |
| <i>Evans Medical Supplies, ord. stock</i> ... | 47 6 | 43 1½ | <i>Vitamins, 1s.</i> | 5 0 | 5 0 |
| <i>Field, J. C. & J., ord., 10s.</i> ... | 24 4½ | 30 0 | <i>Wesley, Harold, 5s.</i> | 15 0 | 15 0 |
| <i>Fisons, ord. stock</i> | 60 0 | 60 0 | <i>Whites (Timothy) & Taylors, ord. 5s.</i> | 40 0 | 40 0 |
| <i>Fisons, 4½% cum. pref.</i> | 24 6 | 24 6 | <i>Whites (Timothy) & Taylors, 7½% cum. pref.</i> | 37 6 | 37 6 |
| <i>Galloway, P. H., ord., 2s.</i> ... | 5 6 | 5 6 | <i>Wright, Layman & Umney, 7% cum. pref.</i> | 31 3 | 31 3 |
| <i>Gillette Safety Razor Co. shares (no par value)</i> | \$54.50 | \$64.50 | <i>Yardley & Co., ord. 4s.</i> | 62 6 | 62 6 |
| <i>Glaxo Laboratories, ord. stock, 10s.</i> ... | 350 0 | 350 0 | <i>Yardley & Co., "A" ord. 4s.</i> ... | 62 6 | 62 6 |
| <i>Glaxo Laboratories, 8% cum. prefd. ord. stock, 10s.</i> ... | 20 3½ | 20 3½ | | | |
| <i>Gossage, W., & Sons, 5% 1st cum. pref.</i> | 26 3 | 26 3 | | | |
| <i>Greaff-Chemicals Holdgs., ord. 5s.</i> ... | 15 9 | 15 9 | | | |
| <i>Griffiths Hughes Proprietaries, ord.</i> ... | 36 3 | 34 4½ | | | |
| <i>Guiterman, S., ord. stock, 2s.</i> ... | 5 0 | 4 6 | | | |
| <i>Hampshire, F. W., stock, 5s.</i> ... | 85 0 | 85 0 | | | |
| <i>Horlicks, stock, 5s.</i> | 32 6 | 33 1½ | | | |
| <i>Hovenden, R., & Sons, 7% cum. "A" pref.</i> | 26 3 | 26 3 | | | |

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2 June 2

So far as the home trade in PHARMACEUTICAL CHEMICALS is concerned, the sellers' market now appears to be over. Competition on the lines of pre-war business is gradually developing in face of a growing buyer resistance, with supplies of a wide range of products adequate for present requirements. This new trend of trade is having a stimulating effect which, providing the "catharsis" is not too drastic, will in the long run be most beneficial to the industry. Meanwhile the export demand for chemical products of British manufacture continues on a good scale in spite of competition from foreign producers. Prices are little changed on the week. One maker, however, has announced an increase in the rates for BENZOCAINE, owing to high costs of raw material; small quantities, which formerly cost 41s. 3d., now cost 42s. 6d. per lb. The new rates for CITRATES and for MERCURY SALTS, which were subject to recent changes, are given on p. 745.

The Mincing Lane markets for CRUDE DRUGS are still experiencing a quiet time. Prices are relatively steady but in those instances where there is any movement it has usually been in a downward direction. The export demand for AGAR (largely from Scandinavian countries) has been the one bright spot of a rather colourless week. New-crop BUCHU is now available on the spot, but, although there has been a fair inquiry for this article, business has been negligible. CASCARA SAGRADA remains quiet. Values of spot supplies of IPECACUANHA are lower. MENTHOL is one of the few commodities displaying firmness and prices continue to rise. QUINCE SEEDS prices are lower. The parcel of SANDALWOOD CHIPS which was offered for export has been sold. TRAGACANTH is an easier market. Business in WAXES has been slow and prices have been marked down to some extent.

Trade in ESSENTIAL OILS shows little improvement in the home market although there has been a good export demand for English-distilled terpeneless oils. AROMATIC CHEMICALS are in fair supply with prices steady.

U.S. Drug and Chemical Report

New York, May 28

THERE have been no special features in the FINE CHEMICALS markets during the past week. Among other price changes, a reduction is announced in one maker's quotation for RUTIN of five cents per gm., bringing the new rate to 23 cents per gm. In CRUDE DRUGS markets there has been little business and prices are again tending

downwards. BALSAMS are reduced by 10-20 cents per lb. with the exception of COPAIBA BALSAM, which rose from 60 to 70 cents per lb. AGAR, IPECACUANHA and SAPARILLA were also easier over the week. Although inquiry has been very limited prices of MENTHOL have again risen. Reflecting the firmer tendency in Brazil the spot quotation was advanced several times during the week, reaching \$9.00 to \$9.25 per lb. China is understood to be asking the equivalent of \$8.90 to \$9.00 per lb., duty paid. Press reports state that Japan is selling menthol to India on the basis of \$8.25 per lb. MERCURY is attracting few buyers although reports state that prices are to rise again.

The existence here of good stocks of ESSENTIAL OILS, coupled with expectations that prices would continue to decline, resulted in a very small turnover on the market again this week. The Department of Agriculture has announced that there is likely to be an over-production of PEPPERMINT OIL this year. Of particular interest was a decline in the price of Italian LEMON OIL from \$3.00 to \$2.75 per lb.

Pharmaceutical Chemicals

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ALLOBARBITONE.—Current price for 10-kilo lots is 90s. per kilo; smaller quantities are quoted at 99s. per kilo.

ALUM.—Makers' prices for POTASSIUM, B.P., are from 25s., and for AMMONIUM, B.P., from 23s. 6d. per cwt.

AMIDOPYRINE.—Quotations are unchanged at from 53s. to 60s. per lb.

AMMONIUM CHLORIDE, B.P.—Makers quote 1-cwt. lots at 9½d. per lb.

ARECOLINE HYDROBROMIDE.—Current prices are around 47s. 6d. per oz.

ASCORRIC ACID.—Current quotations are at from £23 10s. per kilo, upwards.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYL-BROMIDE and METHYLNITRATE, 75s.

BENZOIC ACID.—Makers' quotations are at from 2s. 7d. to 3s. per lb. for B.P., with technical grade at 2s. 6d. to 2s. 8d. SODIUM BENZOATE is a little easier at from 2s. 5d. to 2s. 8d.

BENZONAPHTHOL.—B.P.C. quality is offered at 14s. 6d. per lb.

BISMUTH SALTS.—Makers' prices per lb. for 1-cwt. lots are as follows: CARBONATE, 14s. 10d.; CITRATE, 12s. 6d.; SUBNITRATE, SALICYLATE, 12s. 9d.; SUBGALLATE, 15s. 9d.

BROMIDES.—Supplies are reported to be ather better. Current resellers' rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.); 3s. 4½d. (2-lb.); 3s. 4d. (4-lb.); 3s. 3d. (7-lb.); 3s. 2½d. (14-lb.); 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

BROMINE COMPOUNDS.—Current prices per lb. are as follows: BROMOFORM, B.P.C., 12s. 9d.; CADMIUM, crystals, 13s.; CALCIUM, 4s. 10d.; ETHYL, 9s. 6d.; LITHIUM, 13s.; HYDROBROMIC ACID, B.P.C., 6 Winchester quarts, 2s. 3d., and smaller quantities, 3s. 1d.; DILUTE ACID, B.P., 3 Winchester quarts, 1s. 4d.; CONCENTRATED, 40 per cent. 6 Winchester quarts, 2s. 5½d., and smaller, 3s. 3½d.; CONCENTRATED, 50 per cent., 6 Winchester quarts, 3s. 1½d., smaller, 3s. 11½d.

α-BROMOISOVALERYLUREA.—Quotations are at 40s. to 48s. per lb., as to quantity.

CAFFEINE.—Makers' quotations (per lb.) are: ALKALOID, anhydrous, from 39s. 6d. to 43s. 6d., and B.P. from 37s. 6d. to 41s. 6d., according to quantity; CITRATE, from 22s. 6d. to 26s. 6d.; SODIUM BENZOATE, from 23s. to 27s. 6d.; SODIUM BENZIDE, from 27s. to 31s.; SODIUM SALICYLATE, from 23s. 9d. to 27s. 9d.

CHLORAL HYDRATE.—Current rates per lb., for the home trade, are as follows: 1-cwt. lots, 4s.; 56-lb. lots, 4s. 2d.; 28-lb. lots, 4s. 4d.

CHLORBUTOL.—Current price is in the region of 13s. per lb.

CHLOROCRESOL.—Quotations are maintained at from 4s. to 4s. 6d. per lb.

CHLOROFORM.—Current rates are as follows: 1-cwt. lots in winchesters, 3s. 2½d. per lb.; 56-lb. lots, 2s. 11d. per lb.; in drums, 3s. 1d. and 3s. 1½d. per lb., respectively.

CHLOROPHYLL.—Pharmaceutical quality is quoted at 60s. per lb.; soapmakers' grade is offered at 17s. 6d. per lb.

CHLOROXYLENOL, B.P.—Makers' quotations for 1-cwt. lots are at 5s. per lb., with up to 6s. per lb. for smaller quantities.

CHOLESTEROL.—Current quotations are from 85s. to 95s. per lb., as to grade.

CINCHOPHEN.—Prices are from 32s. 6d. to 37s. 6d. per lb., as to quantity.

CITRATES.—Makers' rates from May 26 are: POTASSIUM, 5-cwt. lots, 2s. 10½d. per lb.; 1-cwt., 2s. 11½d.; scheduled prices for quantities of 28 lb. to 1 cwt. per lb. are (containers in brackets): 3s. 9½d. (1-lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d. (14-lb.); 3s. 5½d. (28-lb.). IRON AND AMMONIUM CITRATE, B.P., 7d. per lb.

above; SODIUM, B.P., 3d. per lb. below; powder, 1d. per lb. extra.

IODINE PREPARATIONS.—Makers' prices per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s. 1d. SODIUM IODIDE, B.P.—28 lb., 12s. 1d. IODOFORM, B.P.—28 lb., powder, 15s. 7d.; crystals, 17s. 7d. RESUBLIMED IODINE, B.P.—1 cwt., 12s. 8d. Orders of 28 lb. and upwards may be made up with assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt. in one delivery, or on contract for delivery within three months.

MAGNESIUM CARBONATE (B.P. LEVIS).—Current rates per lb. in the home trade are as follows (containers in brackets): 28 lb. to 1 cwt., 1s. 6d. (1-lb.); 1s. 5d. (2-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.) per lb. Bulk quantities range from 94s. to 99s. per cwt. as to quantity, carriage paid.

MAGNESIUM CARBONATE (B.P. POND).—Current rates per lb. in the home trade are as follows (containers in brackets): 28 lb. to 1 cwt., 1s. 9d. (1-lb.); 1s. 8d. (2-lb.); 1s. 7½d. (4-lb.); 1s. 6½d. (7-lb.); 1s. 6d. (14-lb.); 1s. 5d. (28-lb.) per lb. Bulk quantities range from 121s. to 131s. per cwt. as to quantity, in 28-lb. packages, carriage paid.

MERCURY SALTS.—Makers' rates per lb. from May 24 for 28-lb. lots are: AMMONIUM CHLORIDE, lump, 8s., and powder, 8s. 2d.; BICHLORIDE, lump, 7s. 4d., and powder, 6s. 9d.; MERCUROUS CHLORIDE, 8s. 2d.; RED OXIDE and YELLOW OXIDE, 8s. 8d.

PHENACETIN.—Quotations are at from 5s. to 6s. per lb., as to quantity.

RESORCIN.—Continues in short supply. Current prices are at from 10s. 6d. to 12s. 6d. per lb., according to quantity.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are around 7s. 6d. to 8s. per lb.

THIOURACIL, B.P.C.—Quotations are unchanged at 55s. per lb.

THYMOL, B.P.—Makers' quotations are from 17s. 9d. to 18s. 6d. per lb., with offers of small quantities up to 20s. per lb.

THYROXINE SODIUM.—Makers' prices per gm. are as follows: 1 gm., 50s.; 10 gm., 45s.; 100 gm., 40s.

URETHANE.—Quotations are around 16s. 6d. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

Crude Drugs

ALOES.—Quiet. Cape, on the spot, is available at 145s.; shipment offers are at about 138s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s., c.i.f. Socotrine on the spot is quoted at 156s. to 190s. per cwt.

BENZOIN.—Sumatra block on the spot is available at prices from £15 to £17 per cwt., as to quality.

BUCHU.—New-crop short rounds on the spot are offered at 4s. per lb.; shipment, 3s. 8d., c.i.f.; ovals, old-crop, are quoted at prices from 3s. 9d., spot.

CAMPHOR.—A quiet market with prices unchanged. Chinese tablets are quoted at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.) is quoted at 8s. 9d. to 9s. 3d., with B.B. grade at 8s. 6d.; crude powder, 7s. 6d.

CARDAMOMS.—Mangalore half-bleached A's, 8s. 6d., spot; B's, 8s. seeds, 6s. 9d. Aleppy seeds No. 1, 8s. 6d. per lb. Aleppy greens, 6s. 6d.; extra bold, 7s. per lb.

CASCARA SAGRADA.—1947 peel on spot is quoted at 250s. to 255s. per cwt.; 1946 is at 265s. Little interest displayed.

GINGER.—Jamaican No. 1 is offered at 115s. per cwt., No. 2 at 102s. 6d. to 105s., and No. 3 at 100s. Sierra Leone is quoted at 62s. 6d., spot.

GUM ACACIA.—Kordofan cleaned sorts is steady at 66s. per cwt., ex store London; for shipment, 60s., c.i.f. Bleached No. 1 is quoted at 135s., ex store. Talha cleaned, 43s., ex warehouse; 38s., c.i.f., per cwt. U.K. imports in April totalled 14,266 cwt. valued at £43,502.

IPECACUANHA.—The market is easier and quiet. Nicaraguan is quoted at 26s., spot; Colombian root, 24s., spot.

MENTHOL.—Firm. Brazilian on the spot is quoted at 46s. to 48s. per lb., duty paid, according to seller. Prices are rising in Brazil and offers for shipment have been in the region of 54s. to 58s., c.i.f. U.K. imports in April totalled 20,229 lb., valued at £44,644.

ORRIS.—Florentine, spot, 185s. to 195s., according to quality. Verona, for shipment, 105s. per cwt., c.i.f.

PAPAIN.—East African No. 1 is quoted at 26s. per lb. on the spot; Ceylon, 21s. 6d.

PSYLLIUM SEED.—French black is offered at 2s. 3d. per lb., duty paid.

QUASSIA.—Spot prices of chips are quoted at 37s. 6d. per cwt.

QUILLAIA.—Natural bark is quoted at prices from 105s. per cwt., spot.

QUINCE SEEDS.—Cape, on the spot, is quoted at 4s. 3d. to 5s. per lb.

RHATANY.—In poor request. Supplies on the spot are offered at 9d. per lb.

RHUBARB.—Offerings on the spot of Chinese rough-round are from 4s. 6d. to

5s. 6d. for sound root of good fracture, with lower-quality material quoted at about 3s. per lb.

SANDARAC.—Spot supplies are quoted at 5s. 2d. per lb.; shipment, 4s. 3d., c.i.f.

SARSAPEARILLA.—Jamaican native red on the spot at 2s. 4d. per lb.; 2s. 3d., c.i.f.

SEEDS.—**ANISE.**—Cyprus is quoted at 1s. 6d. per lb.; Turkish, 1s. 6d. per lb., duty paid, spot London. **CARAWAY.**—Market quiet. Dutch on spot is offered at 11d. per lb., duty paid. **CELERI.**—Indian prices unchanged. Sellers at 1s. 3d. per lb., spot London or Liverpool. **CORIANDER.**—Argentine on spot is offered at 44s. per cwt., duty paid; splits are quoted at 33s. per cwt., duty paid. Morocco new-crop for June-July shipment is still quoted at 32s. 6d. per cwt., c.i.f. London (buyers' licence). **CUMIN.**—Indian, spot Liverpool, 215s. per cwt.; Cyprus is 212s. 6d. per cwt., spot London. **DILL.**—Indian is offered at 47s. 6d. per cwt., spot London, and 46s. per cwt., in Liverpool. **FENNEL.**—Indian is quoted at 72s. 6d. per cwt., spot London, and 71s. per cwt., ex store Liverpool. **FENUGREEK.**—Indian is offered at 47s. 6d. per cwt., in London, and 46s. per cwt., spot Liverpool; Morocco new-crop, for July shipment, is quoted at 45s. per cwt., c.i.f. London.

SENEGA.—Spot prices are at 11s. per lb. Continues to attract few buyers.

HELLAC.—Spot quotations, ex warehouse London are: F.O.T.N. pure, 347s. 6d.; F.O. Standard 1, 337s. 6d.; fine orange, 370s. to 410s. per cwt.

TURMERIC.—Madras finger on spot, or in course of landing, is quoted at 110s. per cwt.; forward, 95s., c.i.f.

TRAGACANTH.—The market continues easy and quiet. Selected white ribbon on spot is offering at £105 per cwt.; other white grades, from £55 to £98; pale leaf £33 to £50; amber, £23 to £33; red, £13 to £17; hoggy, £5 to £10.

WAXES.—A quiet market. **BEES'.**—Daries-Salaam on spot is easier at 355s. per cwt.; shipment, 330s., c.i.f. Lindi is offering at 350s. per cwt., spot; 327s. 6d., c.i.f. Benguela is quoted at 360s. per cwt., duty paid; in bond, 325s.; shipment, 305s., c.i.f.

CANDELILLA.—Spot offers are at 385s. per cwt.; shipment, 380s., c.i.f. **CARNAUBA.**—Prime yellow is steady at 700s. per cwt.; forward, 650s., c.i.f. Fatty grey is offered at 425s. per cwt., spot; supplies afloat are quoted at 415s., c.i.f., and for shipment, 375s., c.i.f. Chalky grey is quoted at 420s. per cwt., spot; shipment, 365s., c.i.f.

MONTAN.—Easier. Rebeck is offering at 300s. per cwt. on the spot, and Czechoslovak crude at 270s. **OURICURI.**—9 per cent.; spot, 365s.; 1 per cent., spot, 420s., and shipment, 400s., c.i.f.; 5 per cent., shipment, 370s. per cwt., c.i.f.

SPERMACETI.—Spot offers, 3s. 9d. per lb.

Essential and Expressed Oils

ALMOND.—Sweet oil (B.P.) is quoted at 6s. 6d. to 9s. Bitter essential oil from 30s. to 55s. per lb., as to quality and seller.

CANANGA.—Java oil on the spot is quoted from 32s. 6d. to 37s. 6d. per lb.; 28s., c.i.f.

CARAWAY.—English-distilled is available from 38s. to 40s.; imported oil is quoted from 30s. to 32s. 6d. per lb.

CASSIA.—Spot quotations are from 6s. 6d. to 17s. per lb., as to quantity.

CINNAMON.—Market quiet. Ceylon bark oil is at 12s. 6d. per oz.; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 65s. to 75s. per lb. Leaf oil, spot, is quoted at from 7s. 9d. to 9s. per lb.

CLOVE.—Quotations for English-distilled oil are from 11s. to 12s. per lb.

CORIANDER.—English-distilled is offered at 260s. per lb.

CUBEBS.—English-distilled is offered at 55s. per lb.

CUMIN.—English-distilled oil is quoted at 75s. per lb.

DILL.—English-distilled oil is quoted at around 62s. 6d. to 70s. per lb.

EUCALYPTUS.—70-75 per cent. (B.P.) is offering at 4s. 6d. per lb. for drums, and up to 6s. for smaller quantities; shipment, 3s. 8d., c.i.f.

LAVENDER.—French, 38-40 per cent., is priced from 23s. to 25s., spot; 40-42 per cent., 25s. to 27s. 6d. Spanish (spike) is steady at 9s. to 11s. per lb., spot.

LEMONGRASS.—Spot supplies are offered at 6s. 9d. to 7s. 6d. per lb., according to holder and quantity; forward, 6s., c.i.f.

LIME.—West Indian is valued at from 28s. to 30s. per lb., according to holder and quantity.

NUTMEG.—English-distilled oil is priced at from 39s. to 40s. per lb.

ORIGANUM.—Quotations are from 18s. 6d. to 20s. per lb., spot, according to holder.

PALMAROSA.—Supplies on the spot are quoted at 35s.; forward, 29s. per lb., c.i.f.

PATCHOULI.—Spot oil is offering from 50s. to 60s. per lb. for Seychelles and 65s. to 70s. per lb. for Singapore.

PENNYROYAL.—Spot offers are at from 18s. 6d. to 21s. per lb., according to grade.

PEPPER.—English-distilled, 160s. per lb.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb. and upwards, according to quantity and grade.

PINE.—*Pumilumis* is quoted at 18s. to 20s. per lb., spot; *sylvestris*, 12s. 6d.

PINE NEEDLE.—Spot supplies are offered at 19s. to 21s. per lb., for first-grade oil.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., according to quantity.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade, quantity and seller.

ACETOPHENONE.—10s. 6d. AMYL ACETATE.—2s. 9d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—6s. to 7s. 6d. AMYL CINNAMIC ALDEHYDE.—17s. to 19s., easier. AMYL PHENYLACETATE.—7s. 6d. to 8s. 9d. AMYL SALICYLATE.—3s. 6d. to 4s. 9d. ANETHOLE.—12s. to 13s. ANISIC ALCOHOL.—65s. to 90s. ANISIC ALDEHYDE.—Ex paracresol, 22s. 6d.; perfume grade, 27s. 6d.

BENZALDEHYDE.—B.P.C., 4s. 6d. to 5s. BENZOPHENONE.—12s. 6d. to 13s. 6d. BENZYL ACETATE.—3s. 6d. to 4s. 6d. BENZYL BENZOATE.—Perfumers', 3s. 6d. to 4s. 6d. BENZYL CINNAMATE.—12s. 6d. BENZYL ISOEUGENOL.—32s. 6d. to 35s. BENZYL PROPIONATE.—7s. to 8s. 6d. BENZYL SALICYLATE.—7s. to 8s. 6d. BENZYL SUCINATE.—20s. to 22s. 6d. BENZYLIDENE ACETONE.—16s. to 17s. 6d. BORNEOL.—10s. 6d. BORNYL ACETATE.—9s. 6d. to 10s. 6d. BROMSTYROL.—32s. 6d. to 35s. BUTYRIC ACID.—5s. 6d. to 6s. 6d.

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TERPINEOL (perfumers').—5s. 3d. to 5s. 9d.

TRADE MARKS

(From the "Trade Marks Journal," May 12)

"AEROCEM"; for wetting and dispersing agents (1). By Aerocem, Ltd., London, S.W.10. 653,952.

"TECHINICOLOR"; for photographic films, paper and plates (1). By Technicolor Motion Picture Corporation, Hollywood, California, U.S.A. 656,089 (Associated).

"VINOX"; for chemical substances used in agriculture and horticulture and manures (natural and artificial) (1). "CRYSANAL"; for pharmaceutical preparations (5). By British Schering, Ltd., London, W.1. 657,973 and 656,699.

"LEDA"; for non-medicated baby powder, hand jelly, bath crystals, capsules, and talcum powder, all being non-medicated toilet preparations (3); for medicated baby powder, jelly for the hands, bath crystals and capsules and talcum powder, and preparations of diphenyl-dichlor-trichlorethane in powder or liquid form for use as insecticides (5). By Leda Chemicals, Ltd., London, N.19. 655,160-61 (Associated).

"CLEO-PAT"; for perfumes, non-medicated toilet preparations, cosmetics, soaps and essential oils (3). By R. Demuth, Ltd., London, N.W.6. 657,720.

"BLUE WOOD"; for toilet lotions for the hair (3). By Amy Mitchell, Great Yarmouth. B656,840.

"DRAGO"; for non-medicated cosmetics and toilet preparations, none being saponaceous (3). By C. Draper & Co., Fairfields, Farnham, Surrey. 656,840.

"POLIGRIP"; for denture fixatives (3). By Stafford-Miller, Ltd., Welwyn Garden City, Herts. B657,174 (Associated).

"BINT ES SALAAM"; for all goods (3). By Hauer & Co., Ltd., Carlisle, Cumberland. 658,026 (Associated).

"EN TOUT CAS"; for toilet preparations (not medicated), cosmetics and soaps (3). By Société Anonyme Grenoville, Asnieres, France. 659,116.

"OLD DRURY"; for non-medicated cosmetics, toilet preparations, perfumes and soaps (3). By Burmell Trading Co., Ltd., London, E.C.4. 659,123.

"INOLAXINE"; for laxative medicines (5). By Société Anonyme Les Laboratoires du Docteur Debat, Paris, France. 651,117.

"SPASMADEL"; for all goods (5). By the Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 652,428.

"ANTACADOL"; for pharmaceutical substances and preparations (5). By British Continental Drugs, Ltd., London, S.E.11. 653,239.

"RIDDICILLIN"; for inhalers (10). By Riddell Products, Ltd., Warwick Street, London, W.1. 658,900 (Associated).

"PHARMO" in distinctive lettering; for non-medicated toilet paper (16). By the Drayton Paper Works, Ltd., London, S.W.6. 645,885.

"PENICAVEL"; for pharmaceutical preparations of penicillin in tablet form (5). By Vitamins, Ltd., 23 Upper Mall, London, W.6. 655,557 (Associated).

"EXOVOL"; for tar-oil insecticides; "ALARGON"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., London, W.C.2. 655,822 and 657,283 (Associated).

"FEBRILIX"; for preparations for the treatment of fevers, influenza and the common cold; "LEOTONE" and "CHOLAMAX"; for tonic preparations (5). By Boots Pure Drug Co., Ltd., Nottingham. 655,930, 656,038 and 656,729.

"SULPHATRIAD"; for pharmaceutical preparations of sulphonamides (5). By May & Baker, Ltd., Dagenham, Essex. B656,459.

"FRUITROIDS"; for tablets for making tonic drinks (5). By W. James Davies (Western), Ltd., Maindy, Cardiff. 656,643 (Associated).

"PARAMASIL"; for preparations for treating bacterial infections (5). By Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts. 657,360.

"MOBILTOX"; for insecticides, preparations for destroying vermin, fungicides, disinfectants (5). By Vacuum Oil Co., Ltd., London, S.W.1. 658,323.

"DESEPTYL"; for veterinary preparations (5). By Crown Chemical Co., Ltd., Tonbridge, Kent. 658,897.

"SPA-SOMNIA"; for tablets for use in insomnia (5). By George Cecil Gethin Hilliar, Temple Street, Llandrindod Wells, Radnorshire. B659,137.

"EKTANON"; for optical lenses and instruments and photographic apparatus (9). By Kodak, Ltd., London, W.C.2. 656,350 (Associated).

"SPANDIT"; for air pillows and surgical appliances in rubber (10). By Empire Rubber Co., London, S.W.1. 657,697 (Associated).

"FAMEL"; for pharmaceutical preparations for human and veterinary use, sanitary substances, foods, plasters, antiseptics and disinfectants, all for sale in the United Kingdom; "LUSTRO"; for preparations for the treatment of the eyes (5). By Optrex, Ltd., London, E.C.4. B654,941 and 657,310 (Associated).

(From "The Trade Marks Journal," May 19)

"EKO" in distinctive lettering and "LINAGRAPH"; for photographic materials and chemicals (1). By Kodak, Ltd., London, W.C.2. 654,524 and 654,532.

"MARCIA"; for hair dyes (3). By Balbus & Assoun, 62 Frith Street, London, W.1. B654,252.

"SNOWIT"; for shaving creams and shaving soaps (3). By The O.K. Shaving Cream Co., Ltd., London, W.C.1. 657,499.

"ANTIAK"; for sunburn cream and suntan oils (3). By Philippe Larbalestier, 2 Charing Cross, Jersey, Channel Islands. 658,308.

"RIBOTHIRON"; for pharmaceutical preparations containing iron (5). By Sharp & Dohme, Ltd., Hoddesdon, Herts. 645,239.

"OLAC"; for milk foods for infants (5). By Mead, Johnson & Co., Evansville, Indiana, U.S.A. B648,787.

"SALUTEX"; for medicated toilet paper (5). By Harold Wesley, Ltd., London, N.W.10. 651,826.

"ANDROMACHUS" and design; for pharmaceutical products (5). By Laboratoires Andromachus, Limitée, Montreal, Canada. 655,519.

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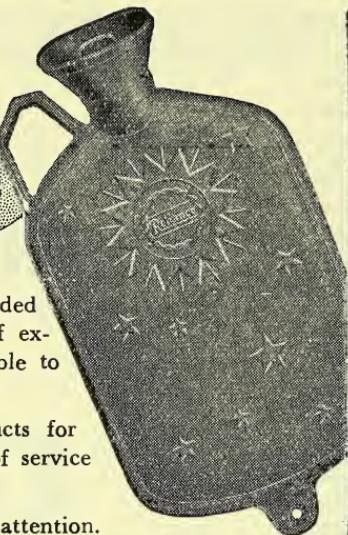
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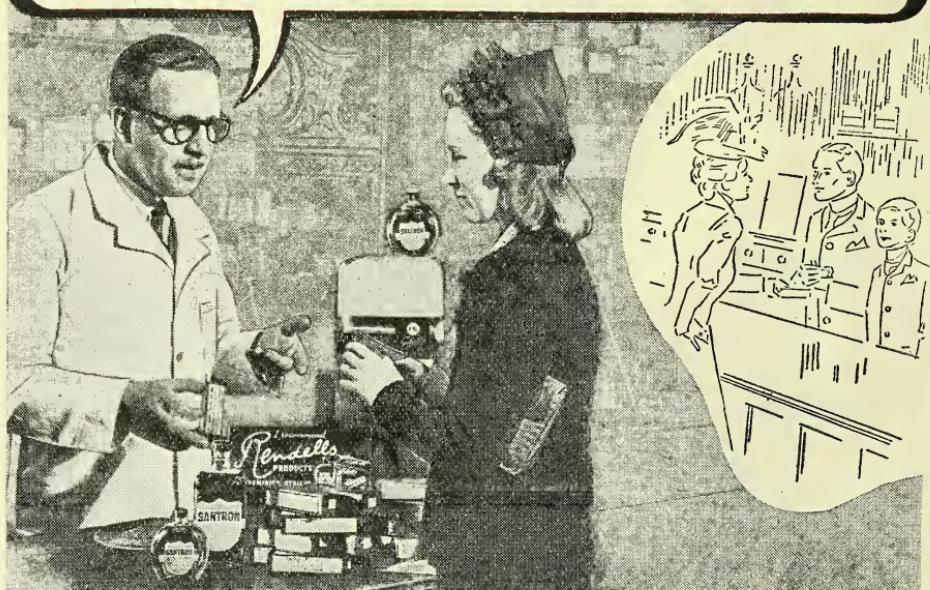
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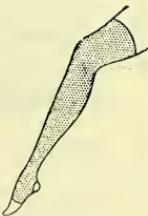
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LONG COATS

WHITE DRILL, 3 coupons
3 Outside Pockets.
Chest—34" to 46" - 18/3
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Post and packing 1—9d, 2—1/-

ALL SHRUNK

State Chest Measurement. Send
Cash and Coupons with Order,
over £2 Carriage Paid.

GARDINER & CO. (The Scotch House) Ltd.

I, 3 & 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station 'Phone: BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
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G1

JOHNS, SON & WATTS, LTD.
J.S. & W. THE PACKAGING SPECIALISTS
Letterpress & Litho Cartons, Folding &
Rigid Boxes, Packings for Special Purposes.
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'Phone: MONArch 7408 (3 lines)

W. H. JONES & CO. (London) Ltd.
BUYERS, CONFIRMERS & SHIPPERS
BARNET, HERTS, ENG.
OFFERS INVITED FROM MANUFACTURERS
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IMPORTERS

Regular Supplies
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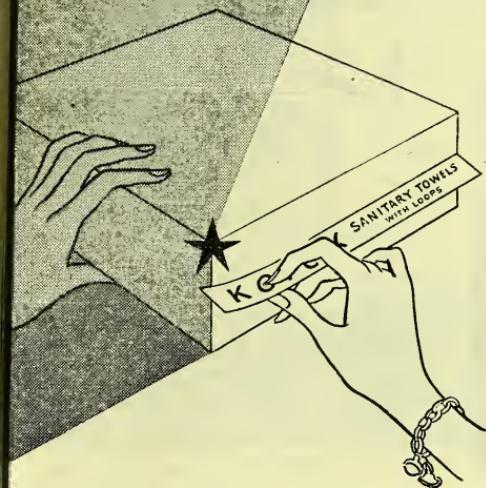
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(LONDON)**

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to save your wrapping problems...



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The 1948 Lumicraft Sun Glasses are better than ever, and in order to make sure of adequate supplies early ordering is more than ever essential this year. The supply position is still difficult. Minimum orders of one dozen accepted for the home market. Particulars and prices on request.

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SUN GLASSES**

EXPORT
ENQUIRIES
INVITED

LUMINOS, LTD.
BELSIZE LANE, HAMPSTEAD, LONDON, N.W.3
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★ KOTEX has decided to continue with the plain box with "tear-off" strip. Simply remove the perforated strip and the plain box is ready for sale.

KOTEX

SANITARY TOWELS
WITH LOOPS

Now 1/9d. per Box (C.P.R.C Approved)

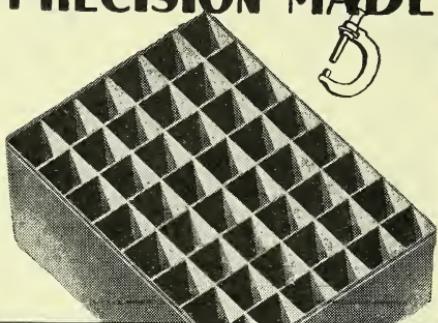
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ALL WOOL
WITH LOOPS

SANITARY
TOWELS

Made from the best Materials.
Remember "NORVEX"
for Quality.

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NORWICH**

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FOR ALL PURPOSES**J. DRING LTD**

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**SPRATT'S
DOG MEDICINES**

the formula is on the packet!
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**CORKS!
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Always in demand!
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DDT FLY & MOTH PAPERS 3^d

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NURSERY WORKS, ELDON STREET, SHEFFIELD, 1

BE CERTAIN TO STOCK

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SLUG & SNAIL KILLER!

Used and recommended by leading horticulturists, GIBBS Slug and Snail Exterminator is rapidly becoming the most popular product of its kind on the market. Prepare now to meet the season's certain demand!

SOLD BY CHEMISTS ONLY

Packed in attractive cardboard cartons for counter display.

TERMS: 10/- Per Dozen
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RETAIL PRICE
1'3
PER PACKET

Not Subject to Purchase Tax. P.A.T.A. Line

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S. DEVON

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*Sells First-
and Fast!*

Flit was always quick to kill—with D.D.T. it's quicker still! And that applies both to Flit liquid and Flit powder. Stock up with the No. 1 insecticide now!



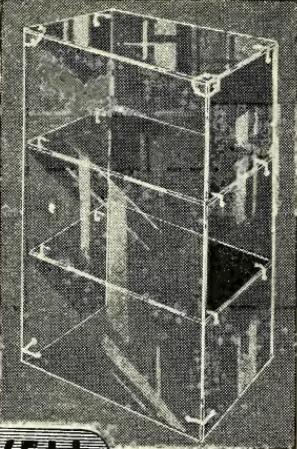
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No. 801 in
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Display
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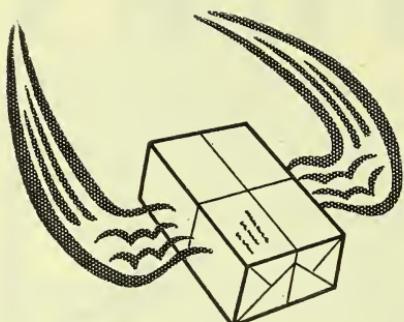
Show
well
with



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DISPLAY THINGS
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preparations are despatched with unfailing promptness, and reach you with gratifying speed.

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created to meet the demand for a smooth, easily applied creamed lanolin, is now available in handy cartoned tubes and attractive 2-dozen display outers.

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Manufactured by
COLLEGE LABORATORIES LTD.
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Retail Selling Price
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A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

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EVERY TIME YOU SELL A LARGE SIZE CARTERS... 1/- FOR YOU!

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ORDER YOUR CARTERS LITTLE LIVER PILLS *Now!*
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Ideal for swimming, or as a bath-cap, dust-cap, etc., the famous PUCK Under-cap is available for the first time since 1940! This popular line will be a best-seller when it reappears on your counter.

Each cap is packed in an individual carton with a window to display the colour; supplied in cartons containing 4 dozen cartons, equally assorted — red, orange, yellow, and pale blue.

Retail Price in U.K. 1/6 incl. tax.

GROVEWELL LTD.
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A SPLENDOR PRODUCT

YOU OUGHT TO STOCK!

An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

4d., 7½d., 1/7 and 2/9 Incl. P. Tax

Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.
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PROPAX
DOUBLE POWER
TABLETS

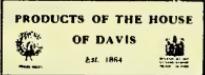
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PATA

We are now ready
and can supply ...



The SOFT drink
that is better



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MALT & COD LIVER OIL

I & 2 LBS.

ALSO IN
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ASPRO' ACCELERATES BUSINESS

"More display means more sales, means more bonus—and so the wheel turns"—that was one chemist's way of describing how the benefits start mounting up when you display 'ASPRO'. Displaying 'ASPRO', in fact, **ACCELERATES** business—**CREATES CUSTOM** for other lines, too, and so speeds-up turnover and increases profits. Give 'ASPRO' prominent display and you immediately get the full results of **THE MOST ENTERPRISING AND ACTIVE ADVERTISING CAMPAIGN GOING ON IN THE COUNTRY**. While well-tried methods of 'ASPRO' publicity are being sustained and expanded, every new method which proves of value is used to the full. The result is that

ASPRO
is selling to a
GREAT POST WAR PUBLIC

Hundreds of thousands of speedway and football supporters are hearing the weekly 'ASPRO' programme; millions of cinema-goers are seeing the 'ASPRO' film. Putting in the window a prominent reminder that **YOU** stock 'ASPRO' is the fastest way of making new and permanent customers.

Made by ASPRO LTD., Slough, Bucks

P.A.T.A.

Flower Petal
Superfine
DUSTING POWDER
Retail Price
2/2
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COST PRICE
13/6 per dozen.
plus 33 1/3% Tax

A Superfine Perfumed Borated Talc
SHOWING A MINIMUM PROFIT
OF 8d. Per Tin
MADE BY CHEMISTS—SOLD ONLY
BY CHEMISTS

Sole Agents:
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Chessington Hall, Chessington, Surrey
Manufactured by:

CARLTON PHARMACEUTICAL INDUSTRIES LTD, LONDON, W.3.

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A crying shame!

There are more fretful babies today,
because there is less Nurse Harvey's
available due to the bottle shortage.
Let us know if you are not getting
your fair share.

**Baby's
next
best
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BARKER LANE
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**NURSE
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MIXTURE**

**YOU CAN
SAFELY
RECOMMEND 8**

Odol



The TOOTHPASTE
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Formula of 8 vital ingredients

CRANBUX LIMITED • NORWICH

SOFT
SOFTER

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Inter-leaved
TOILET TISSUE



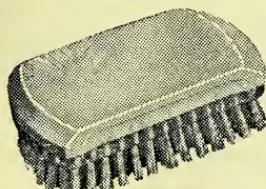
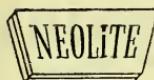
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pure strong quality

Softex Toilet ROLLS
also available

Awarded the Certificate of Hygiene
A SWAN MILL PRODUCT, LONDON, W.1

New Neolite Models



Neolite Gent's Hairbrush

A man's brush of distinction in ivory finish. A style appealing strongly to all ages. Retail, inc. tax, plain top, 18/4. Fluted top, 22/11.



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A fascinating and graceful new design. The long handle is specially curved for added ease in use. The head can be detached to serve a dual purpose. A beautiful accessory for the modern bathroom. Retail 19/3 inc. tax.

Available in the following shades

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UNIVERSAL BRUSH CO. LTD. LUTON

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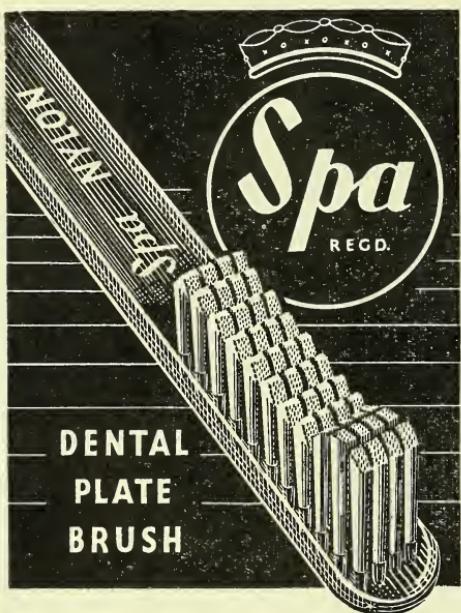
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Asthma

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TABLETS

ONE often gives
relief in 30 seconds

Sole Manufacturers :
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*designed specially
for the job*

A Dental Plate Brush has a double job to do—it must clean every part of the plate as well as the dentures. No ordinary brush—and no adapted tooth-brush—can do this.

The SPA Dental Plate Brush has been specially designed for its particular job. The handle is correctly shaped. The bristles are of the right hardness, length and spacing.

The price is right. The PROFIT is right. It's a P.A.T.A. line. *And it's a quick seller.*



Supplies
now
available

John Freeman & Co. Ltd.,
Spa Brush Works, Chesham, Bucks.

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MEDICAL and DISPENSING
LABELS, TOILET, COSMETIC and
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LABELS (attractive two-colour 50-
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ENVELOPES and INNERS, also
SACCHARINE TABLET ENVEL-
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can also offer multi-coloured adverti-
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- Proprietary Goods
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- Toilet Requisites
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Regular deliveries in all areas

New Values . . .

In response to the national call for a lowering of living costs, we are pleased to announce a reduction in price of all our well-known lines, to be effective on and after May 3rd, 1948. We have always aimed to supply the finest possible product at a price which is competitive, and in making this announcement of our reduced prices, we would stress that the quality of St. Andrew Mills productions remains as high as ever. Amended price lists showing purchase tax and profit margins will be sent willingly on request.

St. Andrew Mills reduce prices

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| ANDREX 1/-^{1D.} PER ROLL | ANDROL 1/1^{1D.} PER ROLL | STANEX 1/- PER ROLL |
| MARVO 9¹/₂^{D.} PER ROLL | SAMARITAN 8^{D.} PER ROLL | ANDREX PAPER KITCHEN TOWELS 2/8^{D.} PER ROLL |

★ All above prices are retail and include purchase tax.

WHOLESALE ONLY

ST. ANDREW MILLS LTD.

WALTHAMSTOW, E.17

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**You've got to hand it
to your customers**



-they KNOW THAT THE
EXTRA QUALITY OF HARROGATE
HEALTH SALTS IS WORTH
MUCH MORE THAN THE LITTLE
MORE IT COSTS (STANDARD TIN) 2/-
(FAMILY TIN) 3/9.

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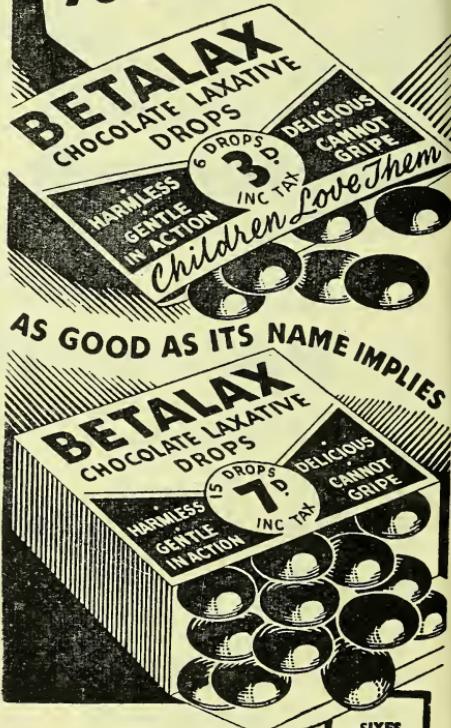
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Golden Mile Works, Bridgend, Glam.

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HARROGATE PHARMACEUTICALS LTD.

**The Finest
CHOCOLATE
LAXATIVE
YOU CAN SELL**



Made to an improved formula,
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Safe and gentle in action.
Coated with fine chocolate.

SIXES 3/-
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Sweetens the breath.
Invaluable for
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crowded places.



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NO SUBSTITUTE



Maestro

THE NEW GIANT
SHAVING STICK
(NO INCREASE IN PRICE)

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Harmonise your sales with
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Branches: 13 High Bridge, Newcastle-on-Tyne Tel: Newcastle 26739

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for the
COMMON
COLD . . .



P.A.T.A.

During the coming months, there are always colds about. For rapid and effective treatment, your customers will expect to obtain Serocalcin from stock. Please maintain a stock for this purpose.

Serocalcin is packed in 20's and 60's



Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. ENO Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

SEROCALCIN

FOR THE
PREVENTION AND TREATMENT
OF COLDS

HARWOODS LABORATORIES LTD · WATFORD · HERTS



The CHEMIST AND DRUGGIST

SUPPLEMENT

28 ESSEX STREET, LONDON, W.C.2.

JUNE 5
1948

This Supplement is inserted in every copy of
The Chemist & Druggist

prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. It is therefore advisable to send instructions as early as possible. All advertisements in this section must be prepaid. Box office numbers 2/- extra.

cancies advertised are restricted to persons or
employment excepted from the provisions of the
Control of Engagements Order, 1947.

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For 36 words or less, 3d. for every additional word

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STANT. Unqualified, required at once, for
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98 High St., Cheltenham.

STANT. Lady preferred, for good-class dis-
pensing business. Apply with full particulars, to
s, Chemist, Church St., Eastbourne.

STANT. Lady or gent, unqualified, with dis-
pensing experience, required, Surrey town in
central surroundings. State full particulars of salary,
Box 3/820.

ANCH MANAGER required immediately. Appli-
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sbury Pioneers' Ind. Soc. Ltd., 41 Northgate,
sbury.

MINGTON SPA. Pharmacist to manage small
ach, suitable for young qualified; easy hours,
ly Hutton & Barrett, Ltd., 42 Parade, Leamington-
Spa.

K & MOORLANDS Co-operative Society Ltd.
nted fully qualified Pharmacist-Optician as De-
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J.C.O. Scale. Annual Sales £13,000. Super-
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ng full details to Managing Secretary, Leek &
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et, Leek, Staffs.

ERPOOL. Qualified manager required for new
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commission. Ex-Service preferred. No living
ommodation on premises. Good future prospects
a progressive man with ideas. Box 3/802.

NAGER required to open a new chemist shop
good position in Upminster. Good wages and
mission offered. Right job for keen, exper-
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Cameron Rd., Seven Kings.

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old-established, good-class dispensing business.
manency if suitable. No Sunday duty. Fullest
ticulars in first letter and salary required to
S. Bree & Son, Ltd., 191 Wilmslow Rd.,
holme, Manchester, 14.

RTH-EAST DURHAM. Ambitious qualified chem-
-required. Permanency with prospects of future
eptorship if suitable. Duties: Take charge re-
-department and light manufacturing, main-
ch. Old-established retail and wholesale firm.
ly Box 3/704.

TTINGHAM Co-operative Chemists, Ltd., re-
-the services of pharmacists for new branches
rtly to be opened. Permanent positions, eligible
uperannuation. Attractive salary. Flat avail-
e. Full particulars to The Superintendent Chem-
Upper Parliament St., Nottingham.

QUALIFIED CHEMIST wanted, male or female, to
-manage branch in Fifeshire. Good salary and con-
ditions with entry into superannuation scheme after
initial period of service. Apply in writing, giving full
particulars of experience, age, etc., to The
Technical Supervisor, Scottish Co-operative Whole-
sale Society, Ltd., Retail Drug Dept., Bogmoor
Rd., Shieldhall, Glasgow.

RETAIL (OVERSEAS)

QUALIFIED ASSISTANT. Progressive firm in Pen-
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offers excellent opportunities for advancement.
Salary for first term of service (4 years) \$500.00
per month (£700 per annum). Passage paid out
and Home. Apply Ayrton, Saunders & Co. Ltd.,
Manufacturing Chemists, Liverpool.

QUALIFIED chemist-optician or optician wanted,
for well-established retail business in Southern
Rhodesia. Must be qualified optician, preferably
F.B.O.A. or F.S.M.C. No man over the age of
35 need apply; preference given to men of 30 years
or less. Option to purchase shares in the business
after 3-year contract ends. Salary first year £45,
second year £47 10s., third year £50 per month.
Expenses paid. C/o P.O. Box 3/752.

LOCUMS WANTED

A **QUALIFIED LOCUM** (male) required for first
fortnight in September or nearest. Early Bunn,
Ltd., Chemists, 95 High St., Chelmsford, Essex.

LOCUM PHARMACIST, July 19 to August 30,
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LOCUM required, Beverley, July 18th to 31st, and
Hull August 30th to September 13th. Good salary
and comfortable accommodation provided. Box
3/813.

QUALIFIED LOCUM required, lady or gent,
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Lincoln, M.P.S., 84 High St., Northfleet, Kent.

QUALIFIED LOCUM required for June 1 to July 17
inclusive, and from August 9 to September 18 in-
clusive. Must be able to take full charge; no half-
day or Sunday duties. Goldthorpes, 10 Powis St.,
Woolwich, S.E.18. Woolwich 0403.

WHOLESALE

ASSISTANT SALES MANAGER for manufacturers of
antibiotics. Technical qualifications essential;
M.P.S. at least; wide experience of selling ethical
pharmaceuticals to home and export markets and
in preparation of technical and medical propaganda
literature. The successful applicant would be re-
quired to take up residence in the Liverpool area,
and to travel as required in U.K. and possibly
abroad; he should be prepared to undergo a short
initial training in the manufacture of the products
concerned. Salary according to age, qualifications
and experience up to an initial maximum of £1,000
per annum with good prospects thereafter for the
right man. Box 3/743.

ASSISTANT PHARMACIST (male, 25-30) required to undertake technical supervision of manufacture and/or packing of ethical pharmaceuticals. Previous similar experience useful but not essential. Salary according to age, qualifications and experience. Write, giving full details (confidential) and quoting Reference No. 1473 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

A RESEARCH PHARMACIST is required for an appointment as chief assistant chemist with a well-known company manufacturing proprietary medicines in the North-West. Several products are manufactured for both export and home markets and there is a programme of development work. The appointment is permanent and progressive and offers considerable scope for experimental work. Write in confidence, giving full details, to Box 3/760.

BULK TABLETS AND PILLS. Representative required with good connection amongst the large bulk buyers of these lines. Good remuneration and prospects for the right man. Apply, giving fullest details in confidence, to T. H. Walton & Co., Ltd., Batley, Yorkshire.

COMMISSION AGENTS required to sell two nationally established non-competitive lines in several areas including Scotland, Midlands and S. England. Sales aids, lists of customers, etc. provided. Unique lines with high profit for retailers and high rate of commission to agents. Applicants please send all particulars, including area covered, frequency of calls, whether car owner and if prepared to sell to earn excellent income rather than to merely make calls. An outstanding opportunity open to salesmen. Box 3/799.

COMMISSION AGENTS required to sell to chemists and druggists in the North, East Anglia, the Midlands, and the West Country, nationally advertised patented line. Full sales aids, including lists of customers provided. Energetic men with proved sales records and good connections should send full details of lines now carried, territory covered, whether car owner and frequency of call on customers, to Box No. 254, Dorland Advertising Ltd., London, S.W.1.

EXPERIENCED. unqualified assistant required for medical specialities and drug department of J. R. Gibbs, Ltd. Wholesale Chemists and Druggists, Paignton. Applications, in writing, should state details of experience and salary required.

EXPORT EXECUTIVE, age 30-40, required as assistant to Director of internationally known ethical manufacturing chemists. Fluent French and commercial background and proven organising ability essential. Experience in pharmaceuticals and export promotion an advantage. The appointment offers excellent prospects and carries a salary proportionate to qualifications and ability. Write, giving full details of education and career in chronological order, to Box 3/805.

LEADING EXPORT HOUSE with world-wide connections require export manager for their surgical instruments department. Previous special experience in surgical instruments and trade connections essential. Telephone Mrs. Whiteman, Regent 0521 for appointment.

LONDON FIRM of wholesale and export chemists having wide and varied range of drugs, chemicals, ampoules and tablets for prompt delivery require travellers (on commission) with established connection amongst large buyers. Write full details, stating territory covered, to Sales Manager, Box 3/792.

MANUFACTURING CHEMISTS, old-established, wish to appoint agent-representatives in all parts to develop sales of ethical, reputable, packed lines. Only first-class men with good connections considered. Apply with full details, stating territory covered, if car owner, etc., with references if available to Box 3/824.

N. IRELAND. Resident representative (chemist preferred) required to call on chemists, doctors and hospitals. Salary, expenses, and commission. Full particulars in first letter please. Moore, Medicinal Products, Ltd., Aberdeen, Scotland.

MANUFACTURERS of exceptionally well presented range of finest quality pharmaceutical specialities now reorganising territories, have vacancies for representatives or sole agents to take over and develop existing connections in: (1) S.W. Counties (2) Midland Counties. (3) Eastern Counties (4) Kent, Surrey, Sussex, Hants. (5) Wales (6) North Lancashire. (7) Bucks, Beds, Herts, Berks, Oxford, Northants. Applicants, preferably car owners over 40, must have proven record successful selling to retail and wholesale chemists and Co-ops. The position is permanent with unlimited scope. Generous remuneration in return for skilful conscientious service. Please reply, giving fullest details of qualifications, which will be treated with strictest confidence. Box 3/816.

PHARMACIST required for pharmaceutical laboratory with some duties in manufacturing department. Beechams Pills, Ltd., Westfield St., S. Helens.

PHARMACIST REQUIRED with experience in the wholesale trade, preferably in the preparation of tinctures, extracts, infusions, etc. Write, stating age and experience, to White, Tomkins & Courage Ltd., North Albert Works, Reigate, Surrey.

REPRESENTATIVE on commission terms, required for Midlands, to call on manufacturing chemists, wholesalers, hospitals and local government departments, offering pills, tablets, lozenges, capsules, suppositories and ampoules, manufactured by old established company. Must have present well-established connection in this trade, and preferably be a pharmacist. Write Box 3/716.

REPRESENTATIVE required in Scotland, Wales, West country and East Coast, to offer packaged cotton wool to Co-ops. and departmental stores. Remuneration by commission. Only men with sound connection need apply, with fullest details, to Managing Director, Box 3/749.

REPRESENTATIVE wanted for Liverpool and North Wales by manufacturers of surgical dressings, sanitary goods, and druggist sundries, to call on chemists, also drapers for sanitary goods only. Salary, commission and expenses. Box 3/821.

REPRESENTATIVES calling on chemists required by manufacturers of high-class pharmaceutical products (quick selling lines). State area covered and kind of lines carried. Box 3/705.

REPRESENTATIVES. London wholesale house require experienced salesmen calling on chemists and stores. Salary and commission. Home and export representation. Apply Box 3/806.

SALES REPRESENTATIVE. required, a young and energetic pharmacist who is interested in a career with a prominent and nationally known firm of manufacturing chemists, to take over and develop established connection with retail chemists in South London area. This progressive appointment carries an excellent rate of remuneration including salary, commission and expenses. Replies, giving full particulars of experience, age and qualifications, to Box 3/779.

SOUTH WALES. A vacancy occurs for a representative, not over 35 years, experienced in calling upon the pharmacy trade, hospitals and factories. The advertiser is a well-known medical and pharmaceutical manufacturing house. Applications, giving full particulars and including education, experience, age and remuneration, to Box 3/809.

SPONGES. Travellers/representatives calling chemists, stores, Co-ops., hairdressers, wanted all areas. Commission only. For particulars, write Box 3/664.

TABLET MAKER, experienced in handling single punch and rotary machines, required by a well-known firm of manufacturing chemists in N.W. London. This is an excellent opportunity for a steady and reliable man. Please write, stating age, experience and salary required, to Box 3/808.

THOMPSON & CAPPER WHOLESALERS, LTD., Liverpool 19, have a vacancy for an experienced representative, to call on chemists in the South-eastern counties (excluding London), to sell well-known speciality mainly. In application state, full details of experience, age, and salary required. Replies will be regarded as confidential.

LET MAKER, experienced in handling single machines required by firm of manufacturingists in North London area. 5-day week. Please stating age, experience and salary required. Box 3/734.

THE BRITISH DRUG HOUSES, LTD., have vacancies in their analytical laboratories for chemists in B.Sc. (Special chemistry), A.R.I.C. or similar qualifications. Required to undertake analysis of medicinal, pharmaceutical and organic chemicals. Facilities include pension scheme, canteen, sports club, five-day week. Apply in writing, stating age, qualifications, experience and salary required, to Staff Manager, Graham St., City Rd., London, N.1.

IVERSITY GRADUATE or pharmacist with knowledge of chemistry and bacteriology or microbiology required for industrial position in Scotland. Salary approximately £600, but according to qualifications and experience. Write, Box 3520, c/o Whites, 72-78 Fleet St., London, E.C.4.

WAREHOUSE PHARMACIST. Experienced male pharmacist required in London area to control storage and despatch of packed pharmaceutical products. Applicants should be accustomed to the ordering of Dangerous Drugs. Salary according to experience. Box No. 587, c/o Dawson's, 28 Craven St., W.C.2.

WHOLESALE (OVERSEAS)

NYA. Qualified assistant chemist required for small laboratory, preferably single; age not more than 26. Salary in the region of £500-£600 per annum, according to experience and qualifications. Features of 5-year contract include free sea, overseas home leave, annual local leave and superannuation scheme. Write, Box C.184, Jacksons, 16 Gracechurch St., E.C.3.

E OVERSEAS SELLING AGENTS of a British company have vacancies in Panama and East Africa for training at home. Age between 25 and 30, preferably single. Qualifications: B.Pharm., Sc.(Ph.), Ph.C., or C. & D. are essential. Candidates should possess business acumen and personality. Salaries will be according to age and qualifications and, together with conditions of service abroad, will be discussed in detail at interview. Applications, in writing, stating age and qualifications, to Box No. 586 c/o Dawson's, 28 Craven St., C.2.

SITUATIONS WANTED

— for 18 words or less, 1d. for every additional word

RETAIL (HOME)

OCKTAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

WHOLESALE

SALES MANAGER, well known to the leading buyers seeks appointment. Specialised knowledge of marketing proprietary and toilet preparations, food organiser, linguist and widely travelled. Box 783.

VERTISER has very good experience of department control, wholesale and export, chemicals, drugs and packs; also general warehouse management, seeks post in or around London. Box 3/800.

VERTISER, experienced cosmetics, perfumery and compound blending, seeks position; disengaged. T. B., 59 Carlyon Rd., Alperton, Wembley, Middlesex.

ENERGETIC TRAVELLER wishes to represent an enterprising manufacturer. Connection of sound w/s and retail chemists and Co-operative stores. Ground covered West Country. Salary, commission and expenses required. Box 3/811.

EXPERIENCED REPRESENTATIVE seeks one additional firm of repute for the London and Greater London area. Connections with leading chemists, stores, Co-ops., hairdressers, wholesalers and photo trade. Commission basis. Represents old-established manufacturers. Box 3/818.

POLISH AND SOAPS TECHNOLOGIST. Advertiser, aged 35, with expert knowledge of the manufacture of all types of polishes, soaps and household requisites, together with proved ability to organise and control company under directorate, desires to contact principals of concerns where this experience could be used to advantage. Remuneration in the region of £1,200/£1,500 per annum. Box H.534, Lee & Nightingale, Liverpool.

REPRESENTATIVE, experienced, medical propaganda and pharmaceutical sales; good connection with doctors, chemists, hospitals, in Birmingham, Worcester, Gloucester, Hants, Dorset, Surrey, desires post with house of repute. Box 3/801.

REPRESENTATIVE, Glasgow, West Scotland, with large connection, mainly chemists, seeks a few lines on commission and part expenses basis. Box 3/819.

APPOINTMENTS

CLAYTON HOSPITAL, WAKEFIELD

(Voluntary Hospital—200 beds)

ASSISTANT PHARMACIST required; non-resident; commencing salary £370 per annum in accordance with the Joint Negotiating Committees Scales; applications, stating age, qualifications and experience, with copies of three recent testimonials, should be sent to the undersigned by 21st June, 1948.

W. READ,

Superintendent and Secretary.

25th May, 1948.

COUNTY BOROUGH OF WEST HAM

WHIPPS CROSS HOSPITAL, LEYTONSTONE, LONDON, E.11

Applications are invited from Registered Pharmacists for Assistant Pharmacist.

Salary and service conditions in accordance with Recommendations of Joint Negotiating Committee (Hospital Staffs) and Council's regulations. Meals at hospital to be paid for.

Applications in writing, stating age, qualifications and experience, together with copies of two recent testimonials, to Medical Officer of Health, 225 Romford Rd., West Ham, London, E.7, by 9th June, 1948.

MIDDLESEX COUNTY COUNCIL

BIOCHEMIST required, 1st June, at ASHFORD COUNTY HOSPITAL, Ashford, Middx., to take charge of Biochemical Section of Laboratory. Graduates in science invited to apply. Scope and time for interesting and original work. Considerable experience in medical biochemical methods required. Appointment under Ministry of Health and salary scale at present £540 to £645 p.a. Applications with names and addresses of three referees to MEDICAL DIRECTOR, of Hospital, by 19th June (quoting E.374 CD).

ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL, SOUTHAMPTON

Applications are invited from registered Pharmacists for the post of ASSISTANT PHARMACIST.

J.N.C. Salary Scale £370 x £15—£450 per annum. Commencing salary within Scale according to qualifications and experience.

Federated Superannuation Scheme in force.

Applications with full details and copies of recent testimonials to the undersigned.

FRANK JENNINGS,
House Governor and Secretary.

KING GEORGE HOSPITAL, ILFORD. ESSEX

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Appointment to commence July 1st, 1948, with salary according to the J.N.C. scale. Hospital experience not essential.

Applications, with full particulars to be made to the Secretary and Superintendent.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

OLD-ESTABLISHED firm of medicinal tablet manufacturers require agents to carry their lines in addition to other non-clashing lines, in the following districts: (1) South (excluding London); (2) South-West; (3) Midlands. Apply Box 3/810.

REPRESENTATIVES required in all areas, calling on chemists, hospitals, etc., to carry self-repeating, reputable surgical sundries. 10 per cent. commission on direct and indirect orders, plus bonus payable quarterly. Write, giving particulars of territory required. Box 3/787.

SOUTH AFRICAN manufacturing chemist, and packer for grocery and hardware products, with extensive factory premises in Johannesburg, seek manufacture under licence or agency for well-known brands of pharmaceuticals, etc. Excellent sales organisation, covering the entire Union. Director will be in England first two weeks in July. Particulars to Box 3/823.

BUSINESSES WANTED

8/6 for 36 words or less, 3d. for every additional word

FAMILY BUSINESS wanted by pharmacist, South of England. Neglected business not objected to. Send full details to M.P.S., 12A Holmesdale Close, South Norwood, London. Replies treated in confidence. Cash available.

PRIVATE PHARMACIST requires old-established business (would consider drug stores), with annual turnover not less than £8,000. Within 100 miles of London. Ample capital available. Genuine inquiry by independent young pharmacist. All replies strictly confidential. Box 3/721.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

TULSE HILL-HERNE HILL. Excellent chemists' business with scope for optics. Owner going abroad. Last year's turnover £4,400. Goodwill, etc., £1,600, s.a.v. (approx. £600). £2,250 for lease of premises with good living accommodation, unexpired term 78 years. Ground rent £18 p.a. (or might let at £160 p.a. exc.). Apply G. Mann & Co., 1463 London Rd., Norbury, S.W.16. Pollards 2282/3.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

MANUFACTURING CHEMISTS have facilities available for the manufacture and/or packing of toilet, medical and domestic products into bottles, pots, boxes, or tubes, and can dispatch the same direct to retail customers if desired. Box 3/518.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel.: Reliance 3435.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

BOTTLES. Large and small quantities 20-oz. (1 pint) amber or white winchesters for sale. 20 per cent. below market prices. Ring Putney 3339.

BAKELITE CAPS. We have large stocks for perfume and toilet bottles, English and Continental fittings. We are prepared to dispose of these very reasonable prices. Enquiries welcomed. Box 3/804.

CENTRAC. Automatic tube filling and closing machine for sale. 6 gross per hour. Good working order. 3-phase motor. Golden Valley Chemic Works, Ltd., 20 Gloucester St., Stroud, Glos. **FOR SALE** at low prices, white glazed ointment pots with lids, various sizes ranging from $\frac{1}{2}$ -oz. to 8-oz. Particulars and quantities on application to the Secretary, Numol, Ltd., Elswick Rd., Newcastle-on-Tyne, 4.

FOR SALE, going very cheap; 10 gross 4-oz. toilet bottles; also 10 gross 2-oz. bakelite caps. Box 3/802.

FOR SALE, 1 ton woolgrease, stearine and stearic acid, t.p. American peppermint oil. Box 3/822.

MANESTY BB3 tabletting machine for sale complete with 3-phase motor, as new. Offers. Box 3/814.

MANUFACTURERS have for disposal, 20 gross brand new, 80 oz. cork mouth Winchester bottles. Price to clear, 139/11d. per gross, ex works. Box 3/741.

SENSATIONAL OFFER of sphagnum shampoos. Normal price 72/- inc. tax. Our price 45/- inc. tax. Orders for 5 gross and over less 10%. Hunt Garnett & Co. (Yorkshire), Ltd., Great George St., Leeds, 1.

SURPLUS. Sulphonated lauryl alcohol paste. Highest concentration. Write Box 3/770.

15 LB. MYSORE SANDALWOOD OIL. 20 lb. Bergamot oil. 29 lb. Paraguay petitgrain. 20 lb. Brazilian sweet orange oil. 9 lb. Japanese peppermint oil. 25 lb. Sicilian lemon oil, B.P. Box 3/817.

200 DOZ. 2/6 size Shelltox at 15/- doz. 130 doz. 4/9 size Shelltox sprays at 30/- doz. Please reply to Box 3/812.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

PRACTICALLY NEW Gardner "C" sifter and mixer; hand drive; with extras, one hundred guineas. BCM/BONHEURE, W.C.2.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BOTTLES, 4-oz., Screw neck. Regular supplies required by London manufacturing chemists. Box 3/273.

CHEMIST requires complete fittings for a shop. Must be in good condition, mahogany or light oak preferred. Individual units considered. Please give dimensions and price. Box 3/803.

MAG. CARB. Heavy B.P. quality, about 10 cwt. Box 3/815.

STEARIC ACID, triple pressed, required in large quantities. Box 147/850.

TABLET MAKING MACHINE. Power driven. State capacity and details to Homepacs, Ltd., Church St., Burslem, Staffs.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

PREMISES TO LET

PART USE of two City offices, unfurnished. No premium. Fair terms. Box 3/790.

PATENTS

PATENTS. No. 554723 "Improvements in Atomizing Devices." No. 565809 "Therapeutic Substances from Placental Cord Blood." No. 568384 "Whooping Cough Toxin." The proprietors of the above patents, Messrs. Ayerst, McKenna and Harrison, Ltd., are desirous of licensing the patents to British Manufacturers to ensure their use and development. For full information address enquiries to W. P. Thompson & Co., Chartered Patent & Trade Mark Agents, 12 Church St., Liverpool.



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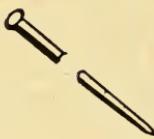
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The Imperial Leather Toilet Soap made by Cussons has a consistent record of success. The steadily expanding market for this product indicates a widespread appreciation of really fine hand-finished Toilet Soap.



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